

## ARG54931 anti-GADD45 alpha antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes GADD45A                                                                                 |
| Tested Reactivity   | Hu                                                                                                                            |
| Predict Reactivity  | Bov                                                                                                                           |
| Tested Application  | FACS, WB                                                                                                                      |
| Host                | Rabbit                                                                                                                        |
| Clonality           | Polyclonal                                                                                                                    |
| Isotype             | IgG                                                                                                                           |
| Target Name         | GADD45 alpha                                                                                                                  |
| Species             | Human                                                                                                                         |
| Immunogen           | KLH-conjugated synthetic peptide corresponding to aa. 1-30 (N-terminus) of Human GADD45 alpha.                                |
| Conjugation         | Un-conjugated                                                                                                                 |
| Alternate Names     | Growth arrest and DNA damage-inducible protein GADD45 alpha; DDIT1; GADD45; DNA damage-inducible transcript 1 protein; DDIT-1 |

### Application Instructions

|                   |                                                                                                                                            |             |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Application table | Application                                                                                                                                | Dilution    |
|                   | FACS                                                                                                                                       | 1:10 - 1:50 |
|                   | WB                                                                                                                                         | 1:1000      |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |
| Positive Control  | Y79                                                                                                                                        |             |

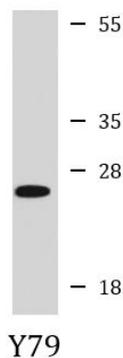
### Properties

|                     |                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                                     |
| Purification        | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.                                                                                                                                                                                                              |
| Buffer              | PBS and 0.09% (W/V) Sodium azide                                                                                                                                                                                                                                                                                           |
| Preservative        | 0.09% (W/V) Sodium azide                                                                                                                                                                                                                                                                                                   |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                                                                                       |

## Bioinformation

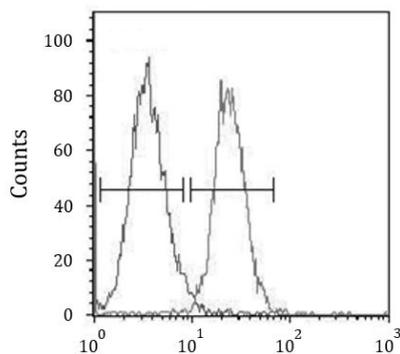
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Database links        | <a href="#">GeneID: 1647 Human</a><br><a href="#">Swiss-port # P24522 Human</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Symbol           | GADD45A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Full Name        | growth arrest and DNA-damage-inducible, alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background            | This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.[provided by RefSeq, Dec 2010] |
| Function              | In T-cells, functions as a regulator of p38 MAPKs by inhibiting p88 phosphorylation and activity (By similarity). Might affect PCNA interaction with some CDK (cell division protein kinase) complexes; stimulates DNA excision repair in vitro and inhibits entry of cells into S phase. [UniProt]                                                                                                                                                                                                                                                               |
| Research Area         | Gene Regulation antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated Mw         | 18 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cellular Localization | Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Images



ARG54931 anti-GADD45 alpha antibody WB image

Western blot: 35 µg of Y79 cell lysate stained with ARG54931 anti-GADD45 alpha antibody.



ARG54931 anti-GADD45 alpha antibody FACS image

Flow Cytometry: K562 cells stained with ARG54931 anti-GADD45 alpha antibody (right histogram) or without primary antibody control (left histogram), followed by incubation with FITC labelled secondary antibody.