

Product datasheet

info@arigobio.com

ARG66995 anti-CHOP / GADD153 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes CHOP / GADD153

Tested Reactivity Hu

Predict Reactivity Ms, Rat

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name CHOP / GADD153

Species Human

Immunogen Synthetic peptide around the middle region of human GADD153

Conjugation Un-conjugated

Alternate Names DNA damage-inducible transcript 3 protein; CHOP10; Growth arrest and DNA damage-inducible protein

GADD153; GADD153; CCAAT/enhancer-binding protein homologous protein; C/EBP-homologous

protein; CHOP; CHOP-10; C/EBP zeta; CEBPZ; DDIT-3; C/EBP-homologous protein 10 $\,$

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:500
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat; MCF7	
Observed Size	30, 20 kDa	

Properties

Form Liquid

Purification Affinity purified

Buffer 100 mM Tris Glycine (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.

Preservative 0.025% ProClin 300

Stabilizer 20% Glycerol

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. 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

Background GADD153 has been described as a growth arrest and DNA damage-inducible gene that encodes a C/EBP-

related nuclear protein. Expression of GADD153 is induced by a variety of cellular stresses, including nutrient deprivation and metabolic perturbations. GADD153 functions to block cells in G1 to S phase in cell cycle progression and acts by dimerizing with other C/EBP proteins to direct GADD153 dimers away from "classical" C/EBP binding sites. Thus GADD153 acts as a negative modulator of C/EBP-like proteins

in certain terminally differentiated cells.

Research Area Developmental Biology antibody; Gene Regulation antibody; Metabolism antibody

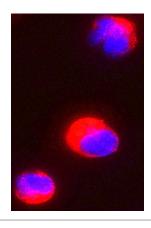
Calculated Mw 19 kDa

PTM Ubiquitinated, leading to its degradation by the proteasome.

Phosphorylation at serine residues by MAPK14 enhances its transcriptional activation activity while

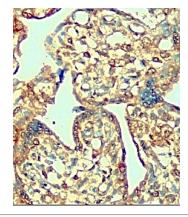
phosphorylation at serine residues by CK2 inhibits its transcriptional activation activity.

Images



ARG66995 anti-CHOP / GADD153 antibody ICC/IF image

Immunofluorescence: Jurkat cells were fixed with 4% paraformaldehyde at RT for 10 min, permeabilized with 0.1% NP-40 at RT for 10 min and then cells were blocked with 5% BSA at RT for 30 min and stained with ARG66995 anti-CHOP / GADD153 antibody (red) at 1:200 dilution at 4°C for overnight. DAPI (blue) was used for nuclear staining.



ARG66995 anti-CHOP / GADD153 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue stained with ARG66995 anti-CHOP / GADD153 antibody at 1:200 dilution. Antigen Retrieval: Boil tissue section in Citrate buffer (pH 6.0).

| Ne^{1,2} | kDa | -50 | -40 | -30 |

ARG66995 anti-CHOP / GADD153 antibody WB image

Western blot: 50 μg of HeLs cell stained with ARG66995 anti-CHOP / GADD153 antibody at 1:500 dilution, overnight at 4°C.