

ARG43971 anti-PDCD4 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes PDCD4 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | ELISA, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | PDCD4 |
| Species | Human |
| Immunogen | Human PDCD4 recombinant protein |
| Conjugation | Un-conjugated |
| Alternate Names | PDCD4; Programmed Cell Death 4; H731; Programmed Cell Death 4 (Neoplastic Transformation Inhibitor); Neoplastic Transformation Inhibitor Protein; Programmed Cell Death Protein 4; Nuclear Antigen H731; Protein 197/15a; Nuclear Antigen H731-Like |

Application Instructions

| | | |
|-------------------|--|----------------|
| Application table | Application | Dilution |
| | ELISA | 0.1-0.5 µg/ml |
| | WB | 0.1-0.25 µg/ml |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

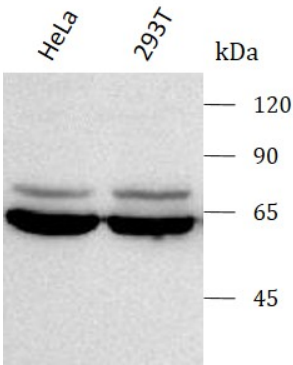
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Affinity purified with Immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na2HPO4 and 4% Trehalose. |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 mg/ml |
| 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

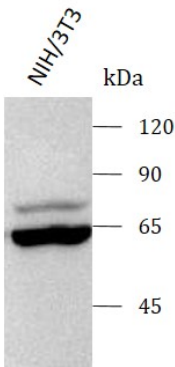
| | |
|-----------------------|--|
| Gene Symbol | PDCD4 |
| Gene Full Name | Programmed Cell Death 4 |
| Background | This gene is a tumor suppressor and encodes a protein that binds to the eukaryotic translation initiation factor 4A1 and inhibits its function by preventing RNA binding. Alternative splicing results in multiple transcript variants. |
| Function | Inhibits translation initiation and cap-dependent translation. May exert its function by hindering the interaction between EIF4A1 and EIF4G. Inhibits the helicase activity of EIF4A. Modulates the activation of JUN kinase. Down-regulates the expression of MAP4K1, thus inhibiting events important in driving invasion, namely, MAPK85 activation and consequent JUN-dependent transcription. May play a role in apoptosis. Tumor suppressor. Inhibits tumor promoter-induced neoplastic transformation. Binds RNA. |
| Calculated Mw | 52 kDa |
| PTM | Acetylation, Phosphoprotein, Ubl conjugation |
| Cellular Localization | Cytoplasm, Nucleus |

Images



ARG43971 anti-PDCD4 antibody WB image

Western blot: Hela and 293T stained with ARG43971 anti-PDCD4 antibody at 0.5 µg/mL dilution.



ARG43971 anti-PDCD4 antibody WB image

Western blot: NIH/3T3 stained with ARG43971 anti-PDCD4 antibody at 0.5 µg/mL dilution.

ARG43971 anti-PDCD4 antibody WB image

Western blot: Rat brain stained with ARG43971 anti-PDCD4 antibody at 0.5 µg/mL dilution.

