

## Mouse anti-Human, Mouse PDCD12 Monoclonal Antibody | anti-PDCD12 antibody

PDCD12 antibody

|                              |                      |                                   |                                                                  |
|------------------------------|----------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA48034</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|------------------------------|----------------------|-----------------------------------|------------------------------------------------------------------|

### PRODUCT SYNONYMS

PDCD12; Monoclonal Antibody; PDCD12 antibody; cell death regulator aven; apoptosis; caspase activation inhibitor; programmed cell death 12; anti-PDCD12 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                 |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                           |
| Reactivity                                       | Human, Mouse                                                                                                                                                                    |
| Clonality                                        | Monoclonal                                                                                                                                                                      |
| Isotype                                          | IgG2a, k                                                                                                                                                                        |
| Clone Number                                     | 3G4                                                                                                                                                                             |
| Purity/Purification                              | By protein-G affinity chromatography                                                                                                                                            |
| Form/Format                                      | Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.                                                                                            |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                                                                          |
| Sequence Length                                  | 362                                                                                                                                                                             |
| Applicable Applications for anti-PDCD12 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                            |
| Antigen Species                                  | Human                                                                                                                                                                           |
| Immunogen                                        | Recombinant human PDCD12 (254-362aa) purified from E. coli                                                                                                                      |
| Clone Note                                       | Anti-human PDCD12 mAb, clone 3G4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PDCD12 protein. |
| Preparation and Storage                          | Can be stored at 4 degree C.<br>For long term storage, aliquot and store at -20 degree C.<br>Avoid repeated freezing and thawing cycles.                                        |

### IMAGES



#### IHC (Immunohistochemistry)

Paraffin embedded sections of human breast lobule tissue were incubated with anti-human PDCD12 (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



#### WB (Western Blot)

The extracts of mouse kidney (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PDCD12 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PDCD12 antibody | PDCD12 (Programmed cell death 12), also referred to as AVEN, represents a new class of cell death regulator. PDCD12 is a conserved intracellular membrane protein that blocks apoptosis impeded by Apaf-1 mediated caspase activation. Bcl-2 and BAD also interact with PDCD12 to prevent apoptosis. It is expressed in a wide variety of normal tissues including heart, skeletal muscle, kidney, liver, testis, and diseases such as cancer |
| Product Categories/Family for anti-PDCD12 antibody   | Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| References                                           | Figueroa B Jr, et al: (2004) Biotechnol Bioeng. 85 (6), 589-600; Cheng EH, et al: (2000) Mol Cell. 6 (1), 31-40                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 9966841                                    |
| NCBI GeneID                      | 57099                                      |
| NCBI Accession #                 | NP_065104                                  |
| NCBI GenBank Nucleotide #        | NM_020371.2                                |
| UniProt Accession #              | Q9NQS1                                     |
| Molecular Weight                 | 38,506 Da                                  |
| NCBI Official Full Name          | cell death regulator Aven                  |
| NCBI Official Synonym Full Names | apoptosis and caspase activation inhibitor |
| NCBI Official Symbol             | AVEN                                       |
| NCBI Official Synonym Symbols    | PDCD12                                     |
| NCBI Protein Information         | cell death regulator Aven                  |
| UniProt Protein Name             | Cell death regulator Aven                  |
| UniProt Gene Name                | AVEN                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pdcd12-antibody-clone-3g4-immunohistochemistry-western-blot-elisa/48034>