

Product datasheet for **AM09049PU-N**

AVEN Mouse Monoclonal Antibody [Clone ID: 3G4]

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | 3G4 |
| Applications: | ELISA, IHC, WB |
| Recommended Dilution: | ELISA. Western blot (1:1,000 - 1:3,000). Immunohistochemistry on paraffin sections (1:50 - 1:100). |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant human PDCD12 (aa 254-362) purified from E. coli |
| Specificity: | The antibody recognizes AVEN / PDCD12. |
| Formulation: | PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein-G affinity chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | apoptosis and caspase activation inhibitor |
| Database Link: | Entrez Gene 57099 Human Q9NQS1 |



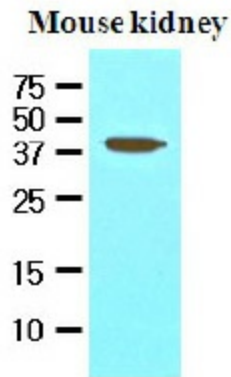
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Background:

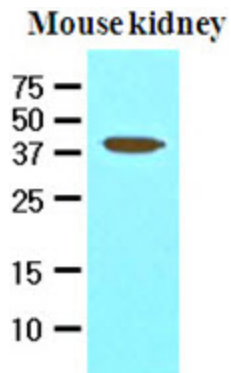
PDCD12 (Programmed cell death 12), also referred to as AVEN, represents a new class of cell death regulator. PDCD12 is a conserved intracellular membrane protein that blocks apoptosis impeded by Apaf-1 mediated caspase activation. Bcl-2 and BAD also interact with PDCD12 to prevent apoptosis. It is expressed in a wide variety of normal tissues including heart, skeletal muscle, kidney, liver, testis, and diseases such as cancer.

Synonyms:

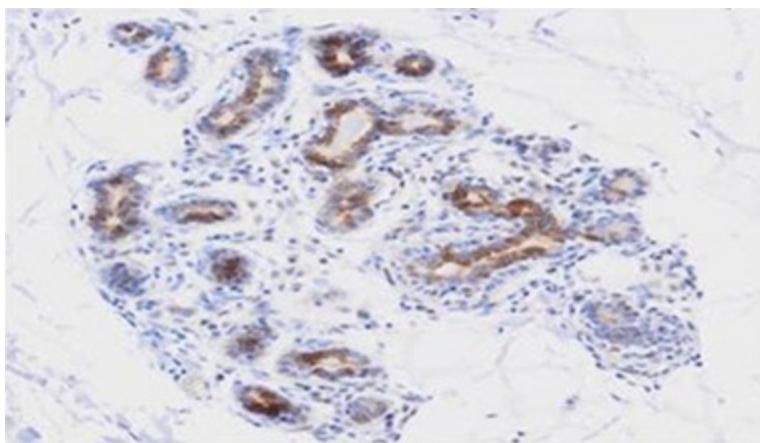
PDCD12

Product images:


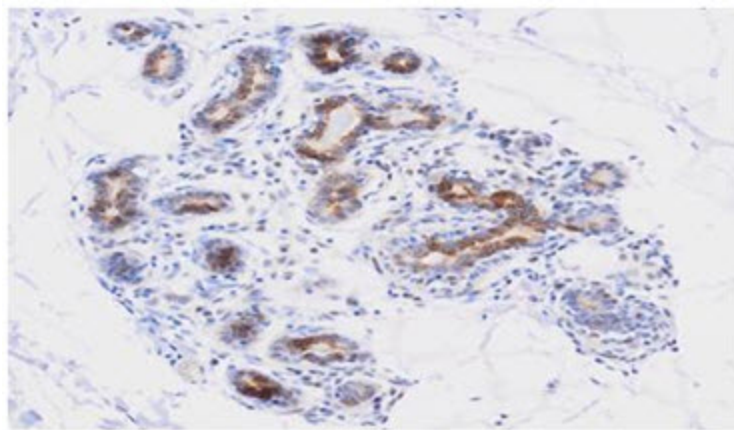
The extracts of mouse kidney (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PDCD12 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis: The extracts of mouse kidney (50 ug) 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.



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)



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Human breast lobule tissue