

## Product datasheet for **AM09049PU-S**

### 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:	<a href="#">Entrez Gene 57099 Human Q9NQS1</a>



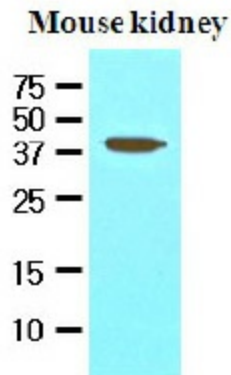
[View online »](#)

**Background:**

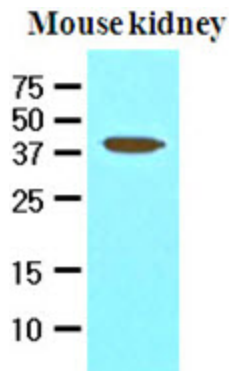
PDCD12 (Programmed cell death 12), also referred to as AVEN, represents a new class of cell death regulator. PDCD12 is a conserved intracellular membrane protein that blocks apoptosis impeded by Apaf-1 mediated caspase activation. Bcl-2 and BAD also interact with PDCD12 to prevent apoptosis. It is expressed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

**Synonyms:**

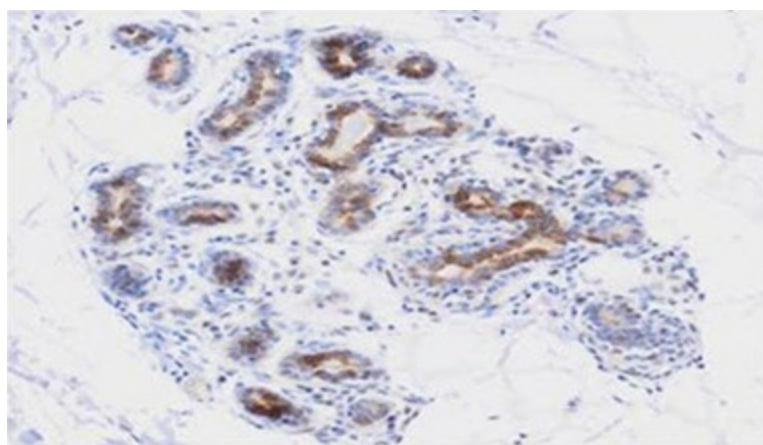
PDCD12

**Product images:**

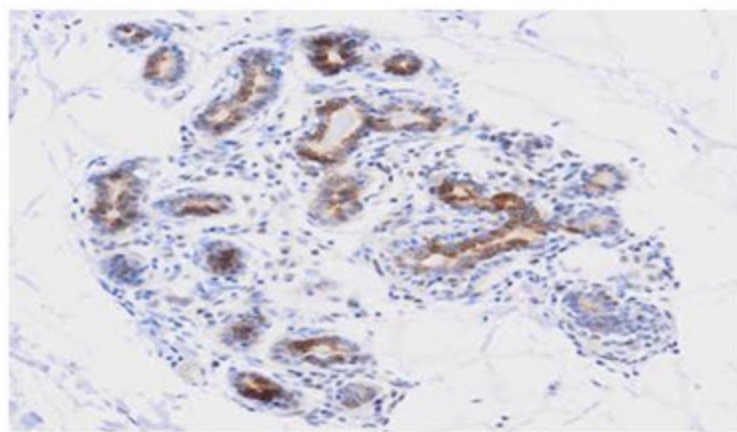
The extracts of mouse kidney (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PDCD12 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



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)



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).

**Human breast lobule tissue**