

Product datasheet for AM09049PU-S

AVEN Mouse Monoclonal Antibody [Clone ID: 3G4]

Product data:

OriGene Technologies, Inc.

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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
lsotype:	lgG2a
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:	<u>Entrez Gene 57099 Human</u> <u>Q9NQS1</u>
	Clone Name: Applications: Recommended Dilution: Reactivity: Host: Isotype: Clonality: Immunogen: Specificity: Formulation: Concentration: Purification: Purification: Storage: Stability: Gene Name:

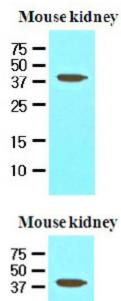


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	AVEN Mouse Monoclonal Antibody [Clone ID: 3G4] – AM09049PU-S
Background:	PDCD12 (Programmed cell death 12), also referred to as AVEN, represents a new class of cell death regulator. PDCD12 is a conserved intracellular membrane protein that blocks 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:



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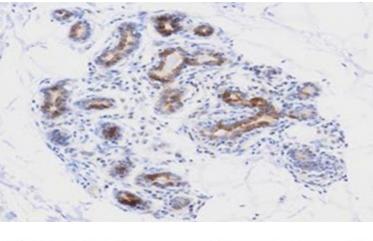
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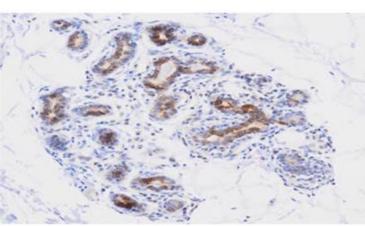
The extracts of mouse kidney (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PDCD12 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

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.

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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

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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