

Product datasheet for TA319575

PDCD4 Mouse Monoclonal Antibody [Clone ID: 9G6]

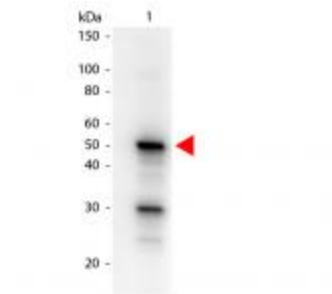
Product data:

Product Type:	Primary Antibodies
Clone Name:	9G6
Applications:	ELISA, WB
Recommend Dilution:	ELISA: 1:20,000 - 1:100,000, WB: 1:2,000 - 1:10,000, IP: 1:1,000 - 1:5,000
Reactivity:	Human, Mouse, Rat, Xenopus
Modifications:	Phospho-specific
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	This monoclonal antibody was produced by repeated immunizations with a synthetic peptide corresponding to residues surrounding Ser457 of the human Pdc4 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	0.5 mg/mL
Gene Name:	programmed cell death 4 (neoplastic transformation inhibitor)
Database Link:	NP_663314 Entrez Gene 18569 MouseEntrez Gene 64031 RatEntrez Gene 27250 Human
Synonyms:	H731
Note:	Programmed cell death 4 (Pdc4) is a novel tumor suppressor. Pdc4 directly inhibits the helicase activity of eukaryotic translation initiation factor 4A (eIF4A), a component of the translation initiation complex. Pdc4 also suppresses the transactivation of activator protein-1 (AP-1)-responsive promoters by c-Jun. Pdc4 contains two Akt phosphorylation sites, one at Ser67 and the other at Ser457. The phosphorylation of Pdc4 by Akt causes nuclear translocation of Pdc4 and a significant decrease in the ability of Pdc4 to interfere with the transactivation of AP-1-responsive promoters by c-Jun.
Protein Families:	Druggable Genome

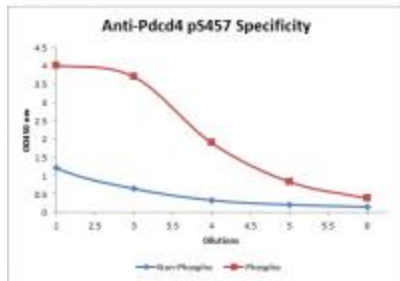


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Product images:



Western Blot of Mouse anti-Pdcd4 phospho S457 Biotin Conjugated antibody. Lane 1: Pdcd4 recombinant protein. Lane 2: none. Load: 100 ng per lane. Primary antibody: Pdcd4 phospho S457 Biotin Conjugated antibody at 1:1,000 for overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 50 kDa, 50 kDa for Pdcd4 phospho S457. Other band (s): Pdcd4 phospho S457 splice variants and isoforms



ELISA of Mouse anti-Pdcd4 phospho S457 Biotin Conjugated antibody. Antigen: BSA conjugates of Pdcd4 phospho S457 and Pdcd4 non-phospho S457. Coating amount: 0.1 ug per well. Primary antibody: Pdcd4 phospho S457 Biotin Conjugated antibody at 5 ug/mL. Dilution series: 3-fold. Mid-point concentration: 5 ng/mL Pdcd4 phospho S457 Biotin Conjugated antibody. Secondary antibody: Peroxidase streptavidin secondary antibody at 1:10,000. Substrate: TMB (p/n TMBE-0100)