

## Product datasheet for **TA319575**

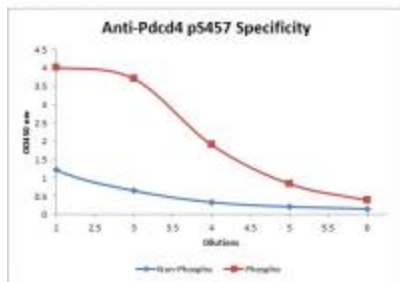
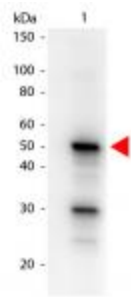
### **PDCD4 Mouse Monoclonal Antibody [Clone ID: 9G6]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	9G6
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA: 1:20,000 - 1:100,000, WB: 1:2,000 - 1:10,000, IP: 1:1,000 - 1:5,000
<b>Reactivity:</b>	Human, Mouse, Rat, Xenopus
<b>Modifications:</b>	Phospho-specific
<b>Host:</b>	Mouse
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	This monoclonal antibody was produced by repeated immunizations with a synthetic peptide corresponding to residues surrounding Ser457 of the human Pdc4 protein.
<b>Formulation:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	programmed cell death 4 (neoplastic transformation inhibitor)
<b>Database Link:</b>	<a href="#">NP_663314</a> <a href="#">Entrez Gene 18569 Mouse</a> <a href="#">Entrez Gene 64031 Rat</a> <a href="#">Entrez Gene 27250 Human</a> <a href="#">Q53EL6</a>
<b>Synonyms:</b>	H731
<b>Note:</b>	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.
<b>Protein Families:</b>	Druggable Genome



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**Product images:**

Western Blot of Mouse anti-Pdc4 phospho S457 Biotin Conjugated antibody. Lane 1: Pdc4 recombinant protein. Lane 2: none. Load: 100 ng per lane. Primary antibody: Pdc4 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 Pdc4 phospho S457. Other band (s): Pdc4 phospho S457 splice variants and isoforms

ELISA of Mouse anti-Pdc4 phospho S457 Biotin Conjugated antibody. Antigen: BSA conjugates of Pdc4 phospho S457 and Pdc4 non-phospho S457. Coating amount: 0.1 ug per well. Primary antibody: Pdc4 phospho S457 Biotin Conjugated antibody at 5 ug/mL. Dilution series: 3-fold. Mid-point concentration: 5 ng/mL Pdc4 phospho S457 Biotin Conjugated antibody. Secondary antibody: Peroxidase streptavidin secondary antibody at 1:10,000. Substrate: TMB (p/n TMBE-0100)