

Product datasheet for **TA319400**

PDCD4 Rabbit Polyclonal Antibody

Product data:

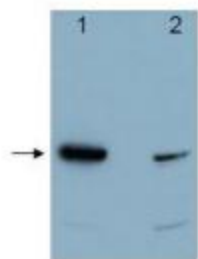
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:10,000 - 1:120,000, WB: 1:1,000 - 1:10,000, IHC: 1:100 - 1:300
Reactivity:	Human, Mouse, Xenopus, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding amino acids near the carboxyl terminus of human Pdc4 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	programmed cell death 4 (neoplastic transformation inhibitor)
Database Link:	NP_663314 Entrez Gene 18569 Mouse Entrez Gene 64031 Rat Entrez Gene 27250 Human Q53EL6
Synonyms:	H731
Note:	This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. 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.



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Protein Families: Druggable Genome

Product images:



Western blot using affinity purified anti-Pdc4 antibody shows detection of a band ~52 kDa in size corresponding to Pdc4 (arrowhead). Lane 1 contains recombinant Pdc4. Lane 2 contains 293 HEK cells treated with TPA and MG132. The anti-Pdc4 antibody was used at a 1: 5,000 dilution. Personal Communication. M Young & A Jansen, NCI, Bethesda, MD.



Affinity purified anti-Pdc4 was used at a 1:100 dilution to detect Pdc4 by immunohistochemistry on mouse colon tissue. Tissue was fixed in 4% paraformaldehyde and paraffin embedded. Tissue sections were deparaffinized and treated by trypsinization before staining. Personal Communication. M Young, NCI, Bethesda, MD.