

Rabbit PDCD4 Polyclonal Antibody | anti-PDCD4 antibody

PDCD4 Antibody

CATALOG # AAA39991	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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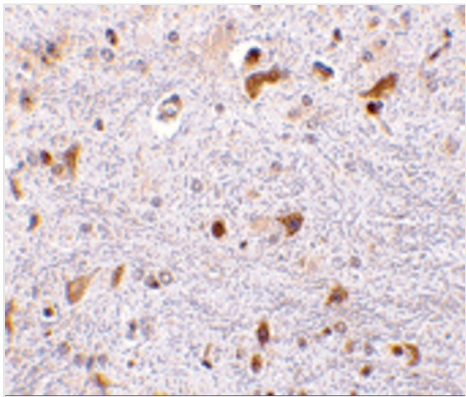
PRODUCT SYNONYMS

PDCD4; Polyclonal Antibody; PDCD4 Antibody; H731; Programmed cell death protein 4; Neoplastic transformation inhibitor protein; programmed cell death 4 (neoplastic transformation inhibitor); anti-PDCD4 antibody

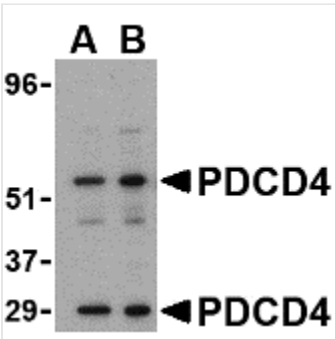
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PDCD4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	458
Applicable Applications for anti-PDCD4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PDCD4 antibody was raised against a 19 amino acid synthetic peptide from near the carboxy terminus of human PDCD4.
Buffer	PDCD4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PDCD4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of PDCD4 in mouse brain tissue with PDCD antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of PDCD4 in A-20 cell lysate with PDCD4 antibody at (A) 0.5 and (B) 1μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PDCD4 antibody	PDCD4 Antibody: Apoptosis, also known as programmed cell death, plays major roles in development and normal tissue turnover in addition to tumor formation. During this process, the expression patterns of numerous genes are radically altered. One such gene is the programmed cell death protein 4 (PDCD4), whose expression was found to be upregulated in all cell lines following the onset of apoptosis. PDCD4 encodes a tumor suppressor protein whose expression is lost in carcinomas of breast, colon, lung and prostate. It can bind to and inhibit the helicase activity of the eukaryotic translation initiation factor 4A and inhibit the transactivation and transformation mediated by the transcription factor AP-1. The kinase Akt regulates PDCD4 by phosphorylation, decreasing the ability of PDCD4 to interfere with the transactivation of AP-1-responsive promoter by c-Jun. There are two known isoforms of PDCD4.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21735598
NCBI GeneID	27250
NCBI Accession #	NP_663314
NCBI GenBank Nucleotide #	NM_145341.3
UniProt Accession #	Q53EL6; O15501; Q5VZS6; Q6PJI5; Q8TAR5; Q99834; B2RCV4; B5ME91
Molecular Weight	50,576 Da
NCBI Official Full Name	programmed cell death protein 4 isoform 2
NCBI Official Synonym Full Names	programmed cell death 4 (neoplastic transformation inhibitor)
NCBI Official Symbol	PDCD4
NCBI Official Synonym Symbols	H731
NCBI Protein Information	programmed cell death protein 4; protein 197/15a; nuclear antigen H731; neoplastic transformation inhibitor protein
UniProt Protein Name	Programmed cell death protein 4
UniProt Gene Name	PDCD4
UniProt Synonym Gene Names	H731
UniProt Entry Name	PDCD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

