

PDCD5 Antibody

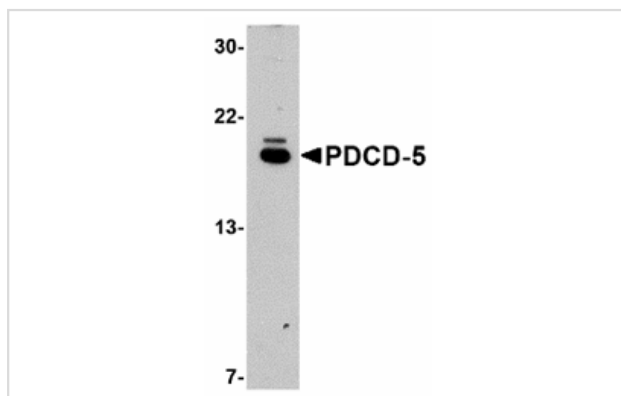
Catalog No: #24834

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Description

Product Name	PDCD5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 21 amino acid peptide from near the carboxy terminus of human PDCD5.
Target Name	PDCD5
Other Names	Programmed cell death protein 5, TFAR19, MGC9294
Accession No.	Swiss-Prot:Q9UEW8Gene ID:27347
Uniprot	Q9UEW8
GeneID	27347;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



Western blot analysis of PDCD5 in EL4 cell lysate with PDCD5 antibody at 1ug/mL.



Immunocytochemistry of PDCD5 in Jurkat cells with PDCD5 antibody at 2 ug/mL.

Background

Programmed cell death 5 (PDCD5), a human apoptosis-related protein, is thought to play an early and universal role in apoptosis. PDCD5 is widely expressed and is upregulated in cells undergoing apoptosis, where it translocates rapidly from the cytoplasm to the nucleus. PDCD5 has a compact core structure of low flexibility with two mobile alpha-helices at N-terminal and a flexible unstructured C-terminal region. The charged residues are crucial for the ability of apoptosis-promoting and cell translocation of the protein. PDCD5 can facilitate apoptosis and enhance TAJ/TROY-induced paraptosis-like cell death. PDCD5 may play a dual role in the Tip60 pathway. It interacts with Tip60 and functions as a Tip60 co-activator to promote apoptosis. The nucleotide polymorphisms in the 5' upstream region of PDCD5 affect promoter activity and the susceptibility of a Chinese population to develop chronic myelogenous leukemia and may represent a novel tumor suppressor gene influencing lung cancer.

Note: This product is for in vitro research use only