

PDCD5 Polyclonal antibody

Catalog Number: 12456-1-AP

Featured Product

13 Publications

Basic Information

Catalog Number: 12456-1-AP	GenBank Accession Number: BC015519	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9141	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: programmed cell death 5	
Isotype: IgG	Calculated MW: 125 aa, 14 kDa	
Immunogen Catalog Number: AG3122	Observed MW: 14 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, IP, WB	WB: human heart tissue, PC-3 cells, human brain tissue, A549 cells
Species Specificity: human	IHC: human endometrial cancer tissue, human skin cancer tissue
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PDCD5, also called TFAR19 (TF1 cell apoptosis-related gene 19), was first identified as a gene up-regulated in TF-1 cells under-going apoptosis (PMID: 9920759). PDCD5 can promote pro-programmed cell death in different cell types in response to various stimuli and also enhance TAJ/TROY-induced paraptosis-like cell death (PMID: 15020679). During apoptosis, PDCD5 is rapidly upregulated and translocates from the cytoplasm to nucleus (PMID: 11741587). PDCD5 is a positive regulator of Tip60 and also has a potential ability to interact with p53 (PMID: 22914926, PMID: 19308289). Recent studies have also revealed that PDCD5 may be a suppressor gene and expressed at lower levels in many cancers, including hepatocellular carcinoma, breast cancer, gastric cancer, cervical cancer, lung cancer, astrocytic gliomas, and in leukemia.

Notable Publications

Author	Pubmed ID	Journal	Application
Víctor Llobart	27888142	J Proteomics	
Xiandan Cui	25444898	Cancer Lett	WB, IF
Soo-Yeon Park	34011956	Nat Commun	IHC, WB

Storage

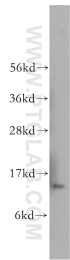
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

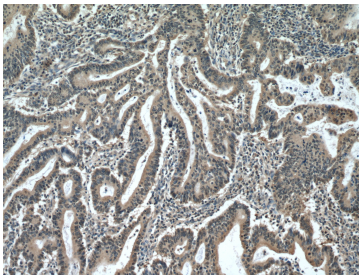
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

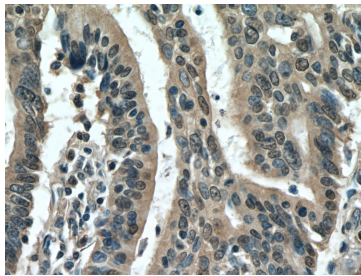
Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 12456-1-AP (PDCD5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 12456-1-AP (PDCD5 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 12456-1-AP (PDCD5 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).