

For Research Use Only

PDCD5 Polyclonal antibody

Catalog Number: 12456-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

12456-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3122

GenBank Accession Number:

BC015519

GeneID (NCBI):

9141

UNIPROT ID:

O14737

Full Name:

programmed cell death 5

Calculated MW:

125 aa, 14 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IP, IF

Species Specificity:

human

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

Positive Controls:

WB : human heart tissue, PC-3 cells, human brain tissue, A549 cells

IHC : human endometrial cancer tissue, human skin cancer tissue

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 Llombart	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

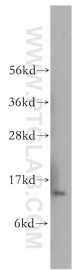
For technical support and original validation data for this product please contact:

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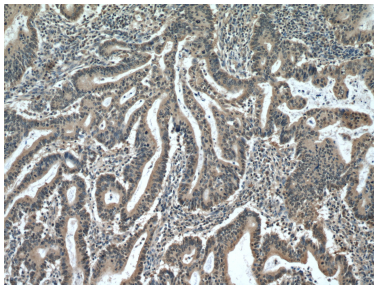
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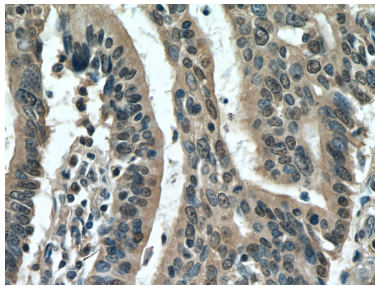
Selected Validation Data



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).