

PDCD5

Polyclonal ANTIBODY

Catalog Number: 12456-1-AP

Featured Product

8 Publications

Basic Information

Catalog Number:
12456-1-AP

Size:
60 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG3122

GenBank Accession Number:
BC015519

GeneID (NCBI):
9141

Full Name:
programmed cell death 5

Calculated MW:
125aa, 14 kDa

Observed MW:
14 kDa

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:
ELISA, IF, IHC, WB

Cited Applications:
IF, IHC, WB

Species Specificity:
human,mouse,rat

Cited Species:
human, mouse

Positive Controls:

WB : human heart tissue; human brain tissue, mouse testis tissue, PC-3 cells

IHC : human skin cancer tissue; human colon tissue, human colon cancer tissue, human skin cancer tissue

IF : A549 cells;

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 (PMD: 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 (PMD: 15020679). During apoptosis, PDCD5 is rapidly upregulated and translocates from the cytoplasm to nucleus (PMD: 11741587). PDCD5 is a positive regulator of Tip60 and also has a potential ability to interact with p53 (PMD: 22914926, PMD: 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
Victor Lombart	27888142	J Proteomics	
Xandan Cui	25444898	Cancer Lett	WB, IF
Hyo-Kyoung Choi	26077467	Nat Commun	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

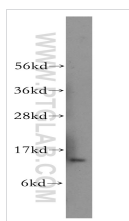
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

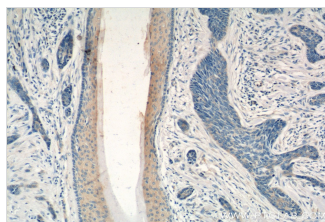
E: proteintech@ptglab.com
W: ptglab.com

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

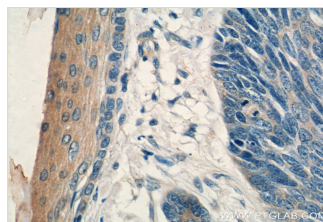
Selected Validation Data



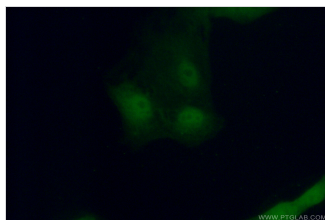
human heart tissue were subjected to SDS PAGE followed by western blot with 12456-1-AP(PDCD5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human skin cancer tissue slide using 12456-1-AP(PDCD5 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human skin cancer tissue slide using 12456-1-AP(PDCD5 Antibody) at dilution of 1:50 (under 40x lens)



Immunofluorescent analysis of (4% PFA) fixed A549 cells using 12456-1-AP (PDCD5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)