

For Research Use Only

PDCD4 Monoclonal antibody

Catalog Number: 66100-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number: 66100-1-Ig	GenBank Accession Number: BC026104	Purification Method: Protein G purification
Size: 150ul, Concentration: 740 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 27250	CloneNo.: 1F1A11
Source: Mouse	Full Name: programmed cell death 4 (neoplastic transformation inhibitor)	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Isotype: IgG1	Calculated MW: 469 aa, 52 kDa	
Immunogen Catalog Number: AG19239	Observed MW: 56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, HEK293 cells
Cited Applications: WB	IHC : human liver cancer tissue,
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

Background Information

Programmed cell death 4 (Pdc4) is a novel tumor suppressor that inhibits translation, progression and invasion. It was first identified as being differentially upregulated during apoptosis. Pdc4 interferes with the activity of the eukaryotic initiation factor (eIF) 4A by displacing the scaffold protein eIF4G from its binding to the RNA helicase eIF4A.

Notable Publications

Author	Pubmed ID	Journal	Application
Ding Jiamin	36083475	J Tradit Chin Med	WB
Ting Peng	35695407	J Med Chem	WB
Changyu Chen	30522853	Clin Res Hepatol Gastroenterol	WB

Storage

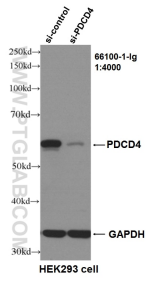
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

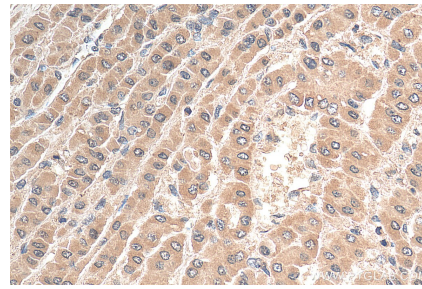
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

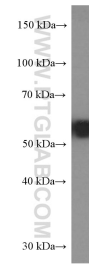
Selected Validation Data



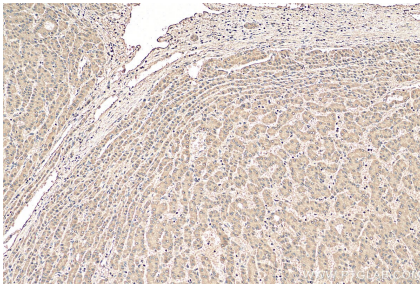
WB result of PDCD4 antibody (66100-1-Ig, 1:4000) with si-control and si-PDCD4 transfected HEK293 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66100-1-Ig (PDCD4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 66100-1-Ig (PDCD4 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66100-1-Ig (PDCD4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).