

For Research Use Only

PDCD4 Monoclonal antibody

Catalog Number: 66100-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number:

66100-1-Ig

Size:

150ul, Concentration: 740 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19239

GenBank Accession Number:

BC026104

GeneID (NCBI):

27250

UNIPROT ID:

Q53EL6

Full Name:

programmed cell death 4 (neoplastic transformation inhibitor)

Calculated MW:

469 aa, 52 kDa

Observed MW:

56 kDa

Purification Method:

Protein G purification

CloneNo.:

1F1A11

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

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 : HeLa cells, HEK293 cells

IHC : human liver cancer tissue,

Background Information

Programmed cell death 4 (Pcd4) is a novel tumor suppressor that inhibits translation, progression and invasion. It was first identified as being differentially upregulated during apoptosis. Pcd4 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

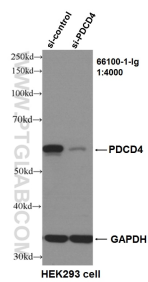
For technical support and original validation data for this product please contact:

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

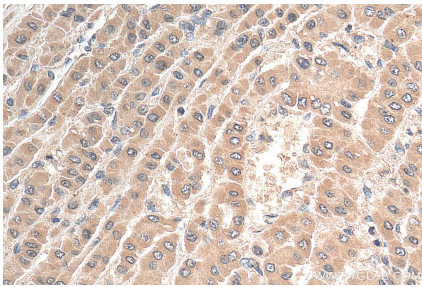
E: proteintech@ptglab.com
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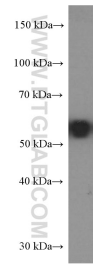
Selected Validation Data



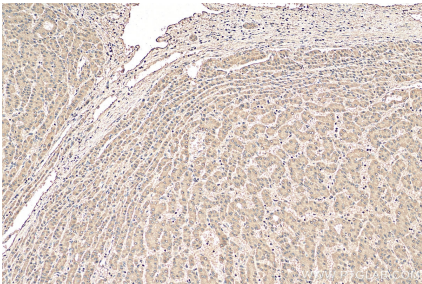
WB result of PDCD4 antibody (66100-1-Ig, 1:4000) with si-control and si-PDCD4 transfected HEK293 cells.



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).