

For Research Use Only

MDMX/MDM4 Polyclonal antibody

Catalog Number:17914-1-AP

Featured Product

33 Publications



Basic Information

Catalog Number:

17914-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12319

GenBank Accession Number:

BC067299

GeneID (NCBI):

4194

UNIPROT ID:

O15151

Full Name:

Mdm4 p53 binding protein homolog (mouse)

Calculated MW:

490 aa, 55 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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, Raji cells, HepG2 cells, Apoptosised HeLa cells, A375 cells

IP : HeLa cells,

IHC : human ovary tumor tissue,

Background Information

MDM4 is also named as MDMX. It inhibits the activity of the tumor suppressor p53 by primarily cooperating with the p53 feedback regulator MDM2. MDM4 resides mostly in the cytoplasm, but can be recruited to the nucleus by MDM2. (PMID:16511572). The predicted mass of the protein is 54 kD, while the observed mass is 80 kD, a difference which stated is probably due to phosphorylation or other posttranslational modification(PMID:9226370). It can be ubiquitinated and degraded by MDM2(PMID:16163388). It has 5 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Hyojung Kim	34581802	Brain	WB,IF
Y Q Jiang	27706681	Genet Mol Res	WB
Di Wang	36443440	Cell Death Differ	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

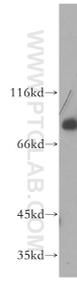
For technical support and original validation data for this product please contact:

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

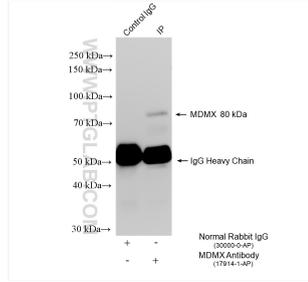
E: proteintech@ptglab.com
W: ptglab.com

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

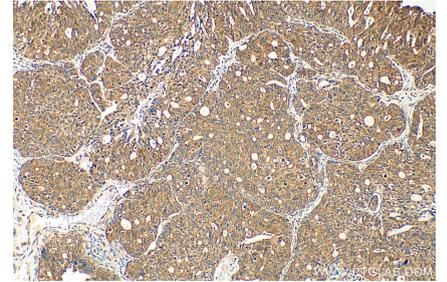
Selected Validation Data



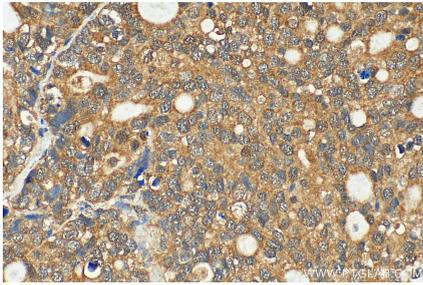
HeLa cells were subjected to SDS PAGE followed by western blot with 17914-1-AP (MDMX antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-MDMX (IP:17914-1-AP, 4ug; Detection:17914-1-AP 1:600) with HeLa cells lysate 1120 ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 17914-1-AP (MDMX 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 ovary tumor tissue slide using 17914-1-AP (MDMX antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).