

## MDMX/MDM4 Recombinant antibody

Catalog Number: 84534-5-RR

## Basic Information

Catalog Number:	84534-5-RR	GenBank Accession Number:	BC067299	Purification Method:	Protein A purification
Size:	1000 µg/ml	GeneID (NCBI):	4194	CloneNo.:	241936D11
Source:	Rabbit	UNIPROT ID:	O15151	Recommended Dilutions:	WB 1:500-1:2000 IHC 1:50-1:500
Isotype:	IgG	Full Name:	Mdm4 p53 binding protein homolog (mouse)		
Immunogen Catalog Number:	AG26678	Calculated MW:	490 aa, 55 kDa		
		Observed MW:	70-76 kDa		

## Applications

## Tested Applications:

WB, IHC, ELISA

## Species Specificity:

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 : Jurkat cells, HEK-293T cells, A549 cells, MCF-7 cells, U2OS cells

IHC : human ovary cancer 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 kDa, while the observed mass is 70-80 kDa, a difference which stated is probably due to phosphorylation or other posttranslational modification (PMID:9226370, 28097652). It can be ubiquitinated and degraded by MDM2 (PMID:16163388). It has 5 isoforms produced by alternative splicing.

## 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

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

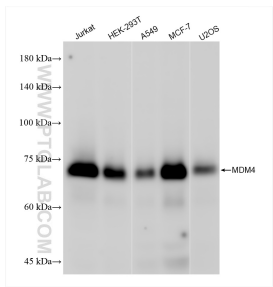
T: 4006900926

E: Proteintech-CN@ptglab.com

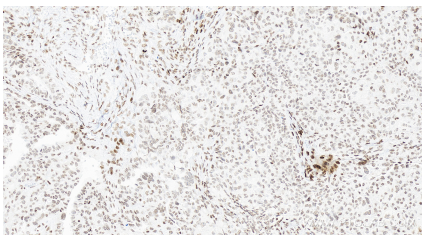
W: ptgcn.com

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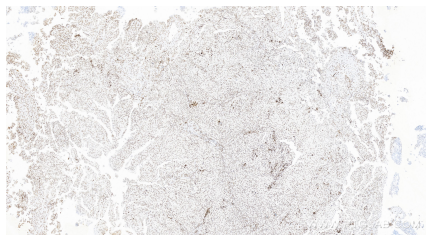
Selected Validation Data



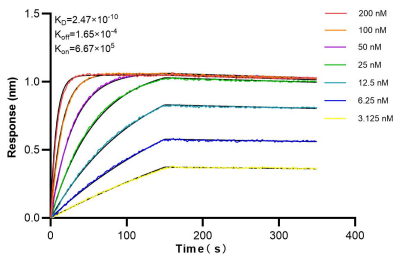
Various lysates were subjected to SDS PAGE followed by western blot with 84534-5-RR (MDMX/MDM4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 84534-5-RR (MDMX/MDM4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 84534-5-RR (MDMX/MDM4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84534-5-RR against Human MDMX/MDM4 were performed. The affinity constant is 0.247 nM.