

For Research Use Only

# MDMX/MDM4 Recombinant antibody

Catalog Number: 84534-5-RR



## Basic Information

<b>Catalog Number:</b> 84534-5-RR	<b>GenBank Accession Number:</b> BC067299	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4194	<b>CloneNo.:</b> 241936D11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15151	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> Mdm4 p53 binding protein homolog (mouse)	
<b>Immunogen Catalog Number:</b> AG26678	<b>Calculated MW:</b> 490 aa, 55 kDa	
	<b>Observed MW:</b> 70-76 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> Jurkat cells, HEK-293T cells, A549 cells, MCF-7 cells, U2OS cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> 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

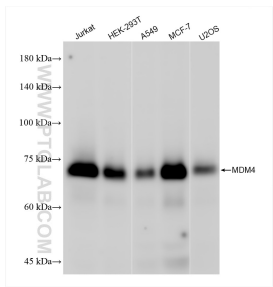
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

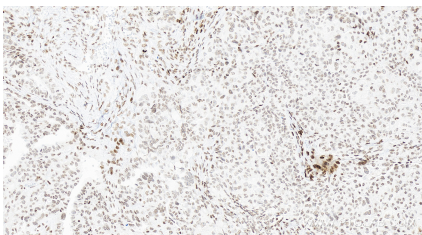
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

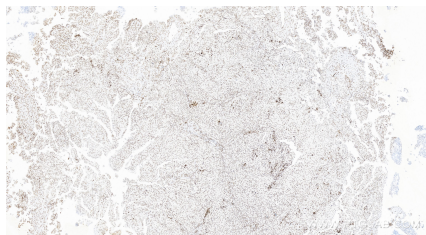
Selected Validation Data



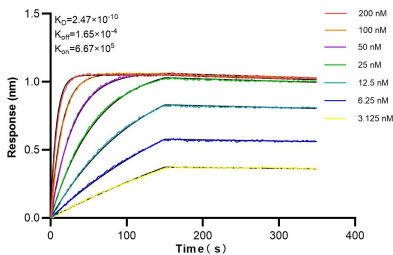
Various lysates were subjected to SDS PAGE followed by western blot with 84534-5-RR (MDMX/MDM4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.