

For Research Use Only

MDMX/MDM4 Recombinant antibody

Catalog Number: 84534-6-RR



Basic Information

| | | | | | |
|---------------------------|--|---------------------------|--|------------------------|------------------------|
| Catalog Number: | 84534-6-RR | GenBank Accession Number: | BC067299 | Purification Method: | Protein A purification |
| Size: | 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): | 4194 | CloneNo.: | 241936A3 |
| Source: | Rabbit | UNIPROT ID: | O15151 | Recommended Dilutions: | IF/ICC 1:200-1:800 |
| Isotype: | IgG | Full Name: | Mdm4 p53 binding protein homolog (mouse) | | |
| Immunogen Catalog Number: | AG26678 | Calculated MW: | 490 aa, 55 kDa | | |

Applications

| | |
|----------------------|---------------------------------|
| Tested Applications: | Positive Controls: |
| IF/ICC, ELISA | IF/ICC : A549 cells, U2OS cells |
| Species Specificity: | |
| human | |

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

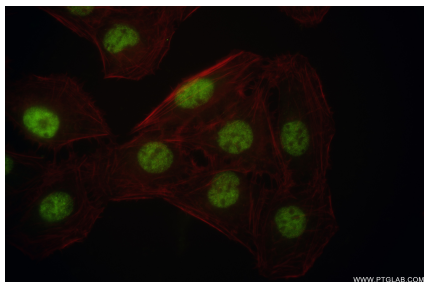
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

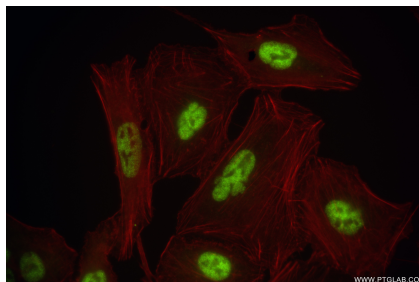
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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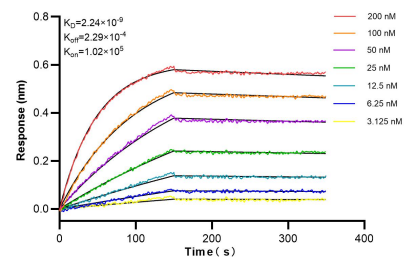
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MDMX/MDM4 antibody (84534-6-RR, Clone: 241936A3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using MDMX/MDM4 antibody (84534-6-RR, Clone: 241936A3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84534-6-RR against Human MDMX/MDM4 were performed. The affinity constant is 2.24 nM.