MDMX (Phospho Ser367) Rabbit pAb

CatalogNo: YP0821 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 80kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:5000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human MDM4 around the phosphorylation site of Ser367. AA range:336-385

Specificity Phospho-MDMX (S367) Polyclonal Antibody detects endogenous levels of MDMX protein only when phosphorylated at S367.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):TIsAP

Target Information

Gene name MDM4

Protein Name Protein Mdm4

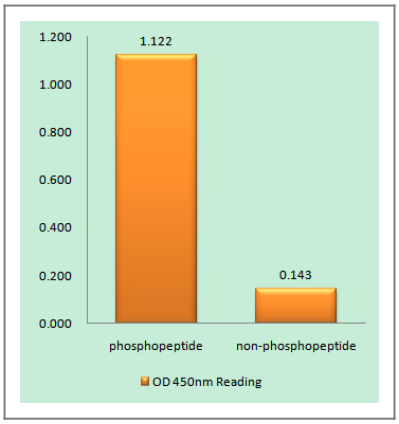
Organism	Gene ID	UniProt ID
Human	4194;	O15151;
Mouse	17248;	O35618;
Rat	304798;	Q5XIN1;

Cellular Localization Nucleus.

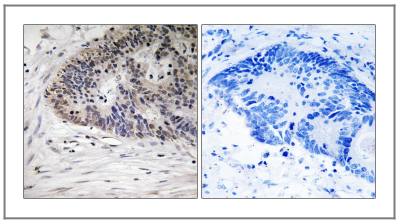
Tissue specificity Expressed in all tissues tested with high levels in thymus.

Function Alternative products:Additional isoforms seem to exist,Domain:Region I is sufficient for binding p53 and inhibiting its G1 arrest and apoptosis functions. It also binds p73. Region II contains most of a central acidic region and a putative C4-type zinc finger. The RING finger domain which coordinates two molecules of zinc mediates the heterooligomerization with MDM2.,Function:Inhibits p53- and p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of p53 while maintaining suppression of p53 transactivation and apoptotic functions.,mass spectrometry: PubMed:11840567,similarity:Belongs to the MDM2/MDM4 family.,similarity:Contains 1 RanBP2-type zinc finger.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 SWIB domain.,subunit:Binds to p53, p73 and MDM2.,tissue specificity:In all tissues tested, with high levels in thymus.,

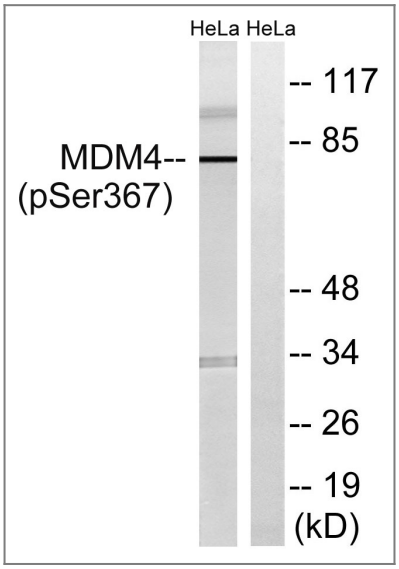
Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MDM4 (Phospho-Ser367) Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using MDM4 (Phospho-Ser367) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with calyculinA 50ng/ml 30', using MDM4 (Phospho-Ser367) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
MDMX (Phospho Ser367) Rabbit pAb

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