
Product Name: MDMX (phospho Ser367) Rabbit Polyclonal Antibody**Catalog #: APRab04992**

For research use only.

Summary

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|----------------------|---|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB,IHC,ICC/IF,ELISA |
| Reactivity | Human,Mouse,Rat |
| Conjugation | Unconjugated |
| Modification | Phosphorylated |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| Purification | Affinity purification |

Application

| | |
|-------------------------|--|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000 |
| Molecular Weight | 80kDa |

Antigen Information

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|--------------------------|--|
| Gene Name | MDM4 |
| Alternative Names | MDM4; MDMX; Protein Mdm4; Double minute 4 protein; Mdm2-like p53-binding protein; Protein Mdmx; p53-binding protein Mdm4 |
| Gene ID | 4194.0 |
| SwissProt ID | O15151 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human MDM4 around the phosphorylation site of Ser367. AA range:336-385 |

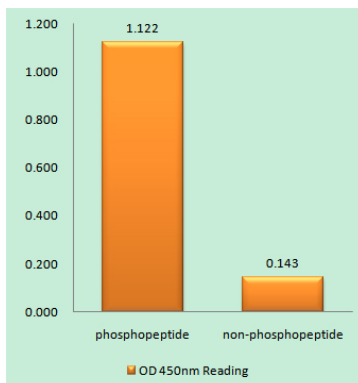
Background

This gene encodes a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus, and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity, and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, this protein inhibits p53 by binding its transcriptional activation domain. This protein also interacts with MDM2 protein via the RING finger domain, and inhibits the latter's degradation. So this protein can reverse MDM2-targeted degradation of p53, while maintaining suppression of p53 transactivation and apoptotic functions. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Feb 2011], 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.,

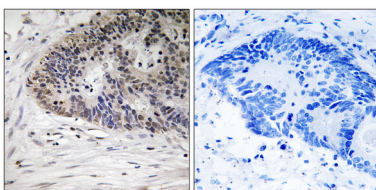
Research Area

p53;

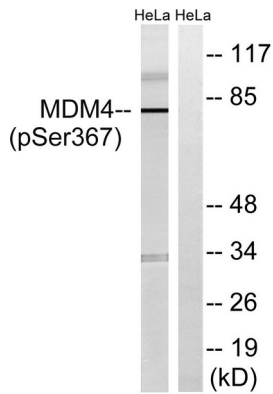
Image Data



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.