

产品名称: MDMX Rabbit Polyclonal Antibody
产品货号: APRab13760



产品概述 (Summary)

产品名称 (Production Name)	MDMX Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MDM4
别名 (Alternative Names)	MDM4; MDMX; Protein Mdm4; Double minute 4 protein; Mdm2-like p53-binding protein; Protein Mdmx; p53-binding protein Mdm4
基因 ID (Gene ID)	4194.0
蛋白 ID (SwissProt ID)	O15151.The antiserum was produced against synthesized peptide derived from human MDM4. AA range:336-385

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	45kDa

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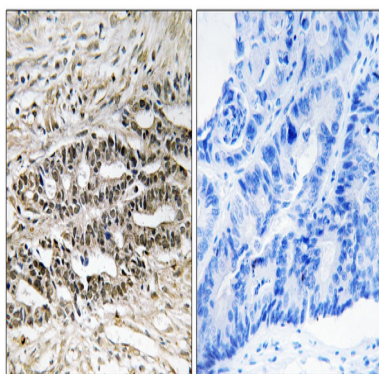
研究背景 (Background)

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.,

研究领域 (Research Area)

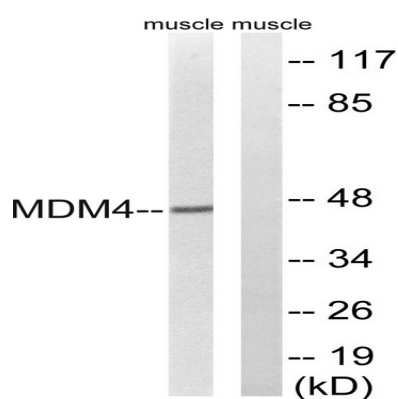
p53;

图片 (Image Data)

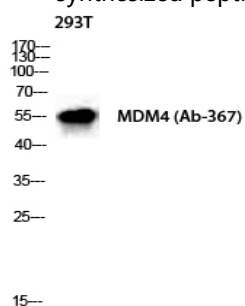


Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using MDM4 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from rat muscle cells, using MDM4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of 293T cells using MDMX Polyclonal Antibody diluted at 1: 1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

注意事项 (Note)

For research use only .