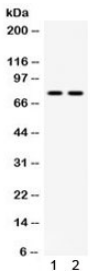
MDM4 Antibody / MDMX (R31805)

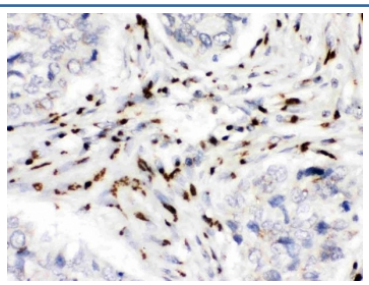
Catalog No.	Formulation	Size
R31805	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O15151
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This MDM4 antibody is available for research use only.



Western blot testing of 1) mouse testis and 2) human 22RV1 lysate with MDM4 antibody. Predicted molecular weight ~55 kDa but may be observed at higher molecular weights due to phosphorylation.



IHC staining of FFPE human lung cancer tissue with MDM4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Protein Mdm4 is a protein that in humans is encoded by the MDM4 gene. 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.

Application Notes

Optimal dilution of the MDM4 antibody should be determined by the researcher.

Immunogen

Amino acids KILHAAGAQGEMFTVKEVMHYLGQYIMVKQLYDQQEQH of human MDM4 were used as the immunogen for the MDM4 antibody.

Storage

After reconstitution, the MDM4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

References (1)

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