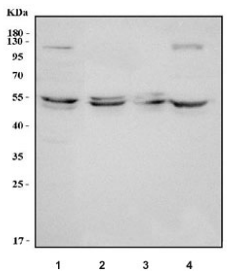
MDMX Antibody / MDM4 (RQ8281)

Catalog No.	Formulation	Size
RQ8281	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O15151
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This MDMX antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) A549, 3) A431 and 4) MCF7 cell lysate with MDMX antibody. Predicted molecular weight ~55 kDa but may be observed at higher molecular weights due to phosphorylation.

Description

Protein Mdm4/Mdmx 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 MDMX antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (A8-A490) was used as the immunogen for the MDMX antibody.

Storage

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