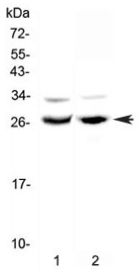
MAD Antibody / MXD1 / Max dimerization protein 1 (RQ4220)

Catalog No.	Formulation	Size
RQ4220	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q05195
Localization	Nuclear
Applications	Western Blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This MAD antibody is available for research use only.



Western blot testing of 1) rat testis and 2) mouse ovary lysate with MAD antibody at 0.5ug/ml. Predicted molecular weight ~25 kDa.

Description

MAD protein is a protein that in humans is encoded by the MXD1 gene. This gene encodes a member of the MYC/MAX/MAD network of basic helix-loop-helix leucine zipper transcription factors. The MYC/MAX/MAD transcription

factors mediate cellular proliferation, differentiation and apoptosis. The encoded protein antagonizes MYC-mediated transcriptional activation of target genes by competing for the binding partner MAX and recruiting repressor complexes containing histone deacetylases. Mutations in this gene may play a role in acute leukemia, and the encoded protein is a potential tumor suppressor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Application Notes

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

Immunogen

A recombinant human protein corresponding to amino acids M1-L221 was used as the immunogen for the MAD antibody.

Storage

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

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