

ARG59023
anti-MXD1 / Mad antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MXD1 / Mad
Tested Reactivity	Ms, Rat
Predict Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MXD1 / Mad
Species	Human
Immunogen	Recombinant protein corresponding to M1-L221 of Human Mad.
Conjugation	Un-conjugated
Alternate Names	Protein MAD; BHLHC58; MAD1; Max dimerization protein 1; MAD; Max dimerizer 1

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

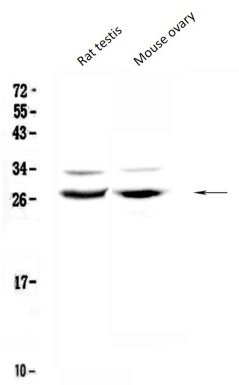
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MXD1
Gene Full Name	MAX dimerization protein 1
Background	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. [provided by RefSeq, Feb 2011]
Function	Transcriptional repressor. MAD binds with MAX to form a sequence-specific DNA-binding protein complex which recognizes the core sequence 5'-CAC[GA]TG-3'. MAD thus antagonizes MYC transcriptional activity by competing for MAX. [UniProt]
Calculated Mw	25 kDa
PTM	Ubiquitinated by BIRC2/c-IAP1, leading to its subsequent degradation by the proteasome. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG59023 anti-MXD1 / Mad antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat testis and Mouse ovary lysates stained with ARG59023 anti-MXD1 / Mad antibody at 0.5 µg/ml, overnight at 4°C.