Product Name: Mad 4 Rabbit Polyclonal Antibody
Catalog #: APRab13550

Summary

Production Name	Mad 4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MXD4
Alternative Names	MXD4; BHLHC12; MAD4; Max dimerization protein 4; Max dimerizer 4; Class C basic helix-loop-helix protein 12; bHLHc12; Max-associated protein 4; Max-interacting transcriptional repressor MAD4
Gene ID	10608.0
SwissProt ID	Q14582.The antiserum was produced against synthesized peptide derived from human MAD4. AA range:10-59

Application

Dilution Ratio	IHC 1:100-1:300 ELISA: 1:10000
Molecular Weight	

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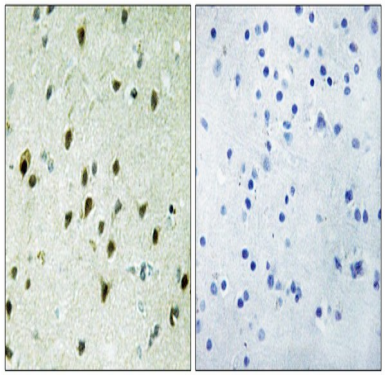
Background

This gene is a member of the MAD gene family . The MAD genes encode basic helix-loop-helix-leucine zipper proteins that heterodimerize with MAX protein, forming a transcriptional repression complex. The MAD proteins compete for MAX binding with MYC, which heterodimerizes with MAX forming a transcriptional activation complex. Studies in rodents suggest that the MAD genes are tumor suppressors and contribute to the regulation of cell growth in differentiating tissues. [provided by RefSeq, Jul 2008],function:Transcriptional repressor. Binds with MAX to form a sequence-specific DNA-binding protein complex which recognizes the core sequence 5'-CAC[GA]TG-3'. Antagonizes MYC transcriptional activity by competing for MAX and suppresses MYC dependent cell transformation.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subunit:Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as a heterodimer with MAX. Interacts with SIN3A AND SIN3B. Interacts with RNF17.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MAD4 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.