

Mad 4 Polyclonal Antibody

Catalog No: YT2616

Reactivity: Human; Mouse

Applications: IHC;IF;ELISA

Target: Mad 4

Gene Name: MXD4

Protein Name: Max dimerization protein 4

Q14582

Q60948

Human Gene Id: 10608

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

MAD4. AA range:10-59

Specificity: Mad 4 Polyclonal Antibody detects endogenous levels of Mad 4 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source : Polyclonal, Rabbit, IgG

Dilution : IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 24kD

1/2



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:

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.,

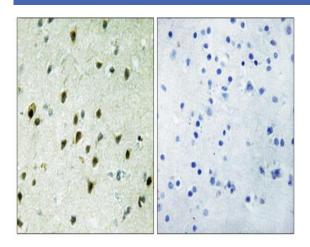
Subcellular Location :

Nucleus .

Expression:

Brain, Lung, Normal aorta, Spleen,

Products Images



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