

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
Human Gene Id :	10608
Human Swiss Prot No :	Q14582
Mouse Swiss Prot No :	Q60948
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

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.,

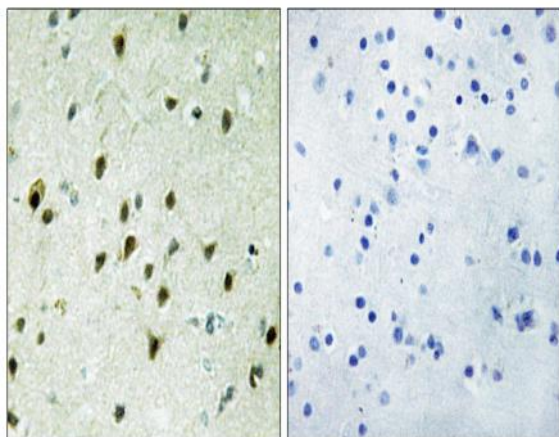
Subcellular Location :

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.