

## Mad 4 Polyclonal Antibody

<b>Catalog No :</b>	YT2616
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	Mad 4
<b>Gene Name :</b>	MXD4
<b>Protein Name :</b>	Max dimerization protein 4
<b>Human Gene Id :</b>	10608
<b>Human Swiss Prot No :</b>	Q14582
<b>Mouse Swiss Prot No :</b>	Q60948
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MAD4. AA range:10-59
<b>Specificity :</b>	Mad 4 Polyclonal Antibody detects endogenous levels of Mad 4 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	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,

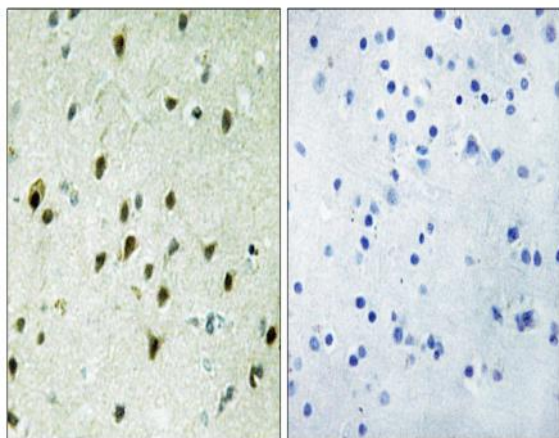
**Sort :** 9325

**No4 :** 1

**Host :** Rabbit

**Modifications :** Unmodified

## Products Images



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