



# MAX (Phospho Ser11) mouse mAb

Catalog No	BYmab-01487
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MAX BHLHD4
Protein Name	MAX (Phospho Ser11)
Immunogen	Synthesized peptide derived from human MAX (Phospho Ser11)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat MAX (Phospho Ser11)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Protein max (Class D basic helix-loop-helix protein 4;bHLHd4;Myc-associated factor X)
Observed Band	
Cell Pathway	Nucleus. Cell projection, dendrite .
Tissue Specificity	High levels found in the brain, heart and lung while lower levels are seen in the liver, kidney and skeletal muscle.
Function	alternative products:Additional isoforms seem to exist,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Transcription regulator. Forms a sequence-specific DNA-binding protein complex with MYC or MAD which recognizes the core sequence 5'-CAC[GA]TG-3'. The MYC-MAX complex is a transcriptional activator, whereas the MAD-MAX complex is a repressor. May repress transcription via the recruitment of a chromatin remodeling complex containing H3-K9 histone methyltransferase activity.,PTM:Reversible lysine acetylation might regulate the nuclear-cytoplasmic shuttling of specific Max complexes.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subunit:Efficient DNA binding requires dimerization with another bHLH

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protein. Binds DNA as a heterodimer with MYC or MAD. Part of the E2F6.com-1 complex in

**Background**

The protein encoded by this gene is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. It is able to form homodimers and heterodimers with other family members, which include Mad, Mxi1 and Myc. Myc is an oncoprotein implicated in cell proliferation, differentiation and apoptosis. The homodimers and heterodimers compete for a common DNA target site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. Mutations of this gene have been reported to be associated with hereditary pheochromocytoma. A pseudogene of this gene is located on the long arm of chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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