



# MAX (Phospho Ser11) rabbit pAb

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| <b>Catalog No</b>                  | YP-Ab-01487                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>                | WB; ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>                   | MAX BHLHD4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>                   | Synthesized peptide derived from human MAX (Phospho Ser11)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Specificity</b>                 | This antibody detects endogenous levels of Human,Mouse,Rat MAX (Phospho Ser11)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Dilution</b>                    | WB 1:1000-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>                    | bHLHd4;bHLHd5;bHLHd6;bHLHd7;bHLHd8;Helix loop helix zipper protein;MAX protein;MGC10775;MGC11225;MGC18164;MGC34679;MGC36767;MYC associated factor X;Myc binding novel HLH/LZ protein;Orf 1;Orf1;Protein max;MAX;MAX BHLHD4;MAX (Phospho Ser11);Protein max (Class D basic helix-loop-helix protein 4;Myc-associated factor X)                                                                                                                                                                                                           |
| <b>Observed Band</b>               | 18 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Calculated Molecular Weight</b> | 34 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>                | Nucleus. Cell projection, dendrite .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Tissue Specificity</b>          | High levels found in the brain, heart and lung while lower levels are seen in the liver, kidney and skeletal muscle.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>                    | 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 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