MAX (Phospho Ser2) Rabbit pAb

CatalogNo: YP1009

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- IHC,IF,ELISA

MW
- 18kD (Calculated)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IHC 1:100-1:300
ELISA 1:5000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human MAX around the phosphorylation site of Ser2. AA range:1-50
Specificity	Phospho-Max (S2) Polyclonal Antibody detects endogenous levels of Max protein only when phosphorylated at S2.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):MsDND

Target Information

Gene name MAX BHLHD4

Protein Name Protein max

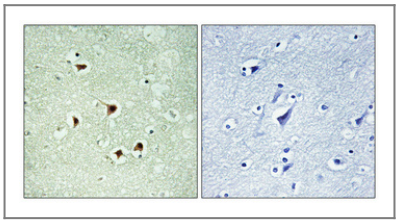
Organism	Gene ID	UniProt ID
Human	4149;	P61244;
Mouse		P28574;
Rat	60661;	P52164;

Cellular Localization 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 protein. Binds DNA as a heterodimer with MYC or MAD. Part of the E2F6.com-1 complex in G0 phase composed of E2F6 , MGA , MAX , TFDP1 , CBX3 , BAT8 , EUHMTASE1 , RING1 , RNF2 , MBLR , L3MBTL2 and YAF2. Interacts with SPAG9. ,tissue specificity:High levels found in the brain , heart and lung while lower levels are seen in the liver , kidney and skeletal muscle. ,

Validation Data



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4℃ overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
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