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MAX antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16265

Product Information

Application	WB
Primary Accession	P61244
Other Accession	NM_145112, NP_660087
Reactivity	Human, Mouse, Rat, Dog
Predicted	Human, Mouse, Rat, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18275

Additional Information

Gene ID	4149
Alias Symbol	MGC10775, MGC11225, MGC18164, MGC34679, MGC36767, orf1, bHLHd4, bHLHd5, bHLHd6, bHLHd7, bHLHd8
Other Names	Protein max, Class D basic helix-loop-helix protein 4, bHLHd4, Myc-associated factor X, MAX, BHLHD4
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-MAX antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	MAX antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAX (HGNC:6913)
Synonyms	BHLHD4
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 'Lys-9' histone methyltransferase activity. Represses MYC transcriptional activity from E-box elements.

Cellular Location	Nucleus. Cell projection, dendrite.
Tissue Location	High levels found in the brain, heart and lung while lower levels are seen in the liver, kidney and skeletal muscle

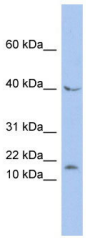
Background

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 'Lys-9' histone methyltransferase activity.

References

Blackwood E.M.,et al.Science 251:1211-1217(1991).
Vaestrik I.,et al.Oncogene 8:503-507(1993).
Maekelae T.P.,et al.Science 256:373-377(1992).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Heilig R.,et al.Nature 421:601-607(2003).

Images



WB Suggested Anti-MAX Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: COLO205 cell lysate
There is BioGPS gene expression data showing that MAX is expressed in COLO205