

MAX antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16265**Specification**

MAX antibody - N-terminal region - 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	17kDa KDa

MAX antibody - N-terminal region - Additional Information**Gene ID** 4149

Alias Symbol	MGC10775, MGC11225, MGC18164, MGC34679, MGC36767, orf1, bHLHd4, bHLHd5, bHLHd6, bHLHd7, bHLHd8
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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.

MAX antibody - N-terminal region - 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.

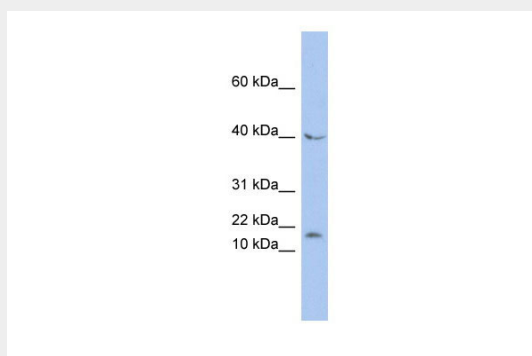
Tissue Location

High levels found in the brain, heart and lung while lower levels are seen in the liver, kidney and skeletal muscle

MAX antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MAX antibody - N-terminal region - 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

MAX antibody - N-terminal region - 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.

MAX antibody - N-terminal region - References

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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).