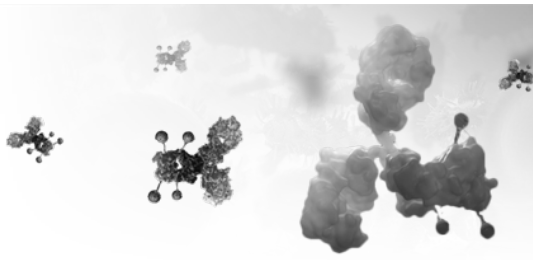

Mouse anti-Human MAX monoclonal antibody, clone 5F212B0 (CABT-B10622)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	MAX (AAH03525, 1 a.a. ~ 152 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5F212B0
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	MSDNDDIEVESDADKRAHHNALERKRRDHIKDSFHSLRDSVPSLQGEKASRAQILDKATE YIQYMRRKNHTHQQDIDDLKRQNALLEQQVRALEKARSSAQLQTNYPSSDNSLYTNAKGS TISAFDGGSDSSSESEPEEPQSRKKLRMEAS*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene is a member of the basic helix-loop-helix leucine zipper

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	(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]
Keywords	MAX; MYC associated factor X; bHLHd4; protein max; class D basic helix-loop-helix protein 4;

GENE INFORMATION

Entrez Gene ID	4149
UniProt ID	Q96CY8
Pathway	C-MYC pathway, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cyclin A:Cdk2-associated events at S phase entry, organism-specific biosystem; Cyclin E associated events during G1/S transition, organism-specific biosystem; G1/S Transition, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem
Function	protein binding; protein complex binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription cofactor activity

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