



Mouse anti-Human HOXA1 monoclonal antibody, clone 2F21 (CABT-B10409)

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

PRODUCT INFORMATION

Immunogen	HOXA1 (NP_005513, 11 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	Human
Clone	2F21
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	EYPILSSGDSGTCSARAYPSDHRITTFQSCAVSANSCGGDDRFLVGRGVQIGSPHHHHHH HHHHPQPATYQTSGNLGVSYSHSSCGPSYGSQNFSAPYSPYALNQEADV*
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	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these
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proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. Two transcript variants encoding two different isoforms have been found for this gene, with only one of the isoforms containing the homeodomain region. [provided by RefSeq, Jul 2008]

Keywords	HOXA1; homeobox A1; BSAS; HOX1; HOX1F; homeobox protein Hox-A1; homeobox 1F; homeo box A1; lab-like protein; Hox 1.6-like protein; homeobox protein Hox-1F; HOX A1 homeodomain protein;
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GENE INFORMATION

Entrez Gene ID	3198
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UniProt ID	P49639
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Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity
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