



# 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

<b>Immunogen</b>	HOXA1 (NP_005513, 11 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG3
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2F21
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,sELISA,ELISA
<b>Sequence Similarities</b>	EYPILSSGDSGTCSRAYSQPSDHRTTFQSCAVSANSQCGGDDRFLVGRGVQIGSPHHHHHHHHHHHPQPATYQTSGNLGVSYSHSSCGPSYGSQNFSAQYSPYALNQEADV*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	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]

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<b>Keywords</b>	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

<b>Entrez Gene ID</b>	<a href="#">3198</a>
<b>UniProt ID</b>	<a href="#">P49639</a>
<b>Function</b>	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity

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