



# Mouse anti-Human HOXB5 monoclonal antibody, clone 4G21 (CABT-B10415)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	HOXB5 (NP_002138, 170 a.a. ~ 268 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4G21
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, sELISA, ELISA
<b>Sequence Similarities</b>	EGQTPQIFPWMRKLHISHDMTGPDGKRARTAYTRYQTLELEKEFHFNRYLTRRRRIAH ALCLSERQIKIWFQNRRMKWKKDNKLKSMSSLATAGSAF*
<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>	This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on
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chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in lung and gut development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue. [provided by RefSeq, Jul 2008]

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<b>Keywords</b>	HOXB5; homeobox B5; HOX2; HU-1; HOX2A; Hox2.1; HHO.C10; homeobox protein Hox-B5; homeo box 2A; homeo box B5; homeobox protein Hu-1; homeobox protein Hox-2A; homeobox protein HHO.C10;
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">3215</a>
<b>UniProt ID</b>	<a href="#">P09067</a>
<b>Function</b>	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity

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