



# Mouse anti-Human HOXB8 monoclonal antibody, clone 5G9 (CABT-B10416)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	HOXB8 (NP_076921, 16 a.a. ~ 115 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	5G9
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,sELISA,ELISA
<b>Sequence Similarities</b>	GESLRPNYYDCGFAQDLGGRPTVVYGPSSGGSFQHPSQIQEFYHGPSSLTAPYQQNPCA VACHGDPGNFYGYDPLQRQSLFGAQDPDLVQYADCKLAA*
<b>Format</b>	Liquid
<b>Size</b>	50 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 development. Increased expression of this gene is associated with colorectal cancer. Mice that have had the murine ortholog of this gene knocked out exhibit an excessive pathologic grooming behavior. This behavior is similar to the behavior of humans suffering from the obsessive-compulsive spectrum disorder trichotillomania. [provided by RefSeq, Jul 2008]

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<b>Keywords</b>	HOXB8; homeobox B8; HOX2; HOX2D; Hox-2.4; homeobox protein Hox-B8; homeo box 2D; homeo box B8; homeobox protein Hox-2D; homeobox protein Hox-2.4;
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">3218</a>
<b>UniProt ID</b>	<a href="#">Q8N8T3</a>
<b>Function</b>	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity

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