



Mouse anti-Human HOXA7 monoclonal antibody, clone 3G3 (CABT-B10411)

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

PRODUCT INFORMATION

Immunogen	HOXA7 (NP_008827, 58 a.a. ~ 113 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3G3
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	NSPLYQSPFASGYGLGADAYGNLPCASYDQNIPLGLCSDLAKGACDKTDEGALHGA*
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 proteins is spatially and temporally regulated during embryonic development. This gene is part
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of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. This gene is highly similar to the *antennapedia* (*Antp*) gene of *Drosophila*. [provided by RefSeq, Jul 2008]

Keywords	HOXA7; homeobox A7; ANTP; HOX1; HOX1A; HOX1.1; homeobox protein Hox-A7; homeobox A7; homeobox protein HOX-1A; homeobox protein Hox 1.1;
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GENE INFORMATION

Entrez Gene ID	3204
UniProt ID	P31268
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding
