



# 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

<b>Immunogen</b>	HOXA7 (NP_008827, 58 a.a. ~ 113 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>	3G3
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,sELISA,ELISA
<b>Sequence Similarities</b>	NSPLYQSPFASGYGLGADAYGNLPCASYDQNIPLCSDLAKGACDKTDEGALHGA*
<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 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. 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]

---

<b>Keywords</b>	HOXA7; homeobox A7; ANTP; HOX1; HOX1A; HOX1.1; homeobox protein Hox-A7; homeobox A7; homeobox protein HOX-1A; homeobox protein Hox 1.1;
-----------------	---

---

## GENE INFORMATION

---

<b>Entrez Gene ID</b>	<a href="#">3204</a>
-----------------------	----------------------

---

<b>UniProt ID</b>	<a href="#">P31268</a>
-------------------	------------------------

---

<b>Function</b>	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding
-----------------	--

---