



Mouse anti-Human HOXC4 monoclonal antibody, clone 3E7 (CABT-B10420)

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

PRODUCT INFORMATION

Immunogen	HOXC4 (NP_705897, 160 a.a. ~ 265 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3E7
Conjugate	Unconjugated
Applications	WB, IF, sELISA, ELISA
Sequence Similarities	RTAYTRQQVLELEKEFHYNRYLTRRRRIEIAHSLCLSERQIKIWFQNRRMKWKKDHRLPN TKVRSAPPAGAAPSTLSAATPGTSEDHSQSATPPEQQRAEDITRL*
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	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all
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multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene, HOXC4, is one of several homeobox HOXC genes located in a cluster on chromosome 12. Three genes, HOXC5, HOXC4 and HOXC6, share a 5 non-coding exon. Transcripts may include the shared exon spliced to the gene-specific exons, or they may include only the gene-specific exons. Two alternatively spliced variants that encode the same protein have been described for HOXC4. Transcript variant one includes the shared exon, and transcript variant two includes only gene-specific exons. [provided by RefSeq, Jul 2008]

Keywords	HOXC4; homeobox C4; HOX3; cp19; HOX3E; homeobox protein Hox-C4; homeo box 3E; homeo box C4; homeobox protein CP19; homeobox protein Hox-3E;
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GENE INFORMATION

Entrez Gene ID	3221
UniProt ID	Q86TF7
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity
