



Mouse anti-Human HOXC5 monoclonal antibody, clone 2F21 (CABT-B10421)

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

PRODUCT INFORMATION

Immunogen	HOXC5 (NP_061826, 1 a.a. ~ 69 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	2F21
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MSSYVANSFYKQSPNIPAYNMQTCGNYGSASEVQASRYCYGGLDSITFPPPAPSNSLHG VDMAANPR*
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
---------------------	---

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, HOXC5, 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 have been described for HOXC5. The transcript variant which includes the shared exon apparently doesn't encode a protein. The protein-coding transcript variant contains gene-specific exons only. [provided by RefSeq, Jul 2008]

Keywords	HOXC5; homeobox C5; CP11; HOX3; HOX3D; homeobox protein Hox-C5; homeo box C5; homeobox protein CP11; homeobox protein Hox-3D;
-----------------	---

GENE INFORMATION

Entrez Gene ID	3222
UniProt ID	Q00444
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity
