



Mouse anti-Human HOXC5 polyclonal antibody (DPAB-DC1598)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	HOXC5 (NP_061826.1, 1 a.a. ~ 68 a.a) partial recombinant protein with GST tag. The sequence is MSSYVANSFYKQSPNIPAYNMQTCGNYGSASEVQASRYCYGGLDLSITFPPPAPSNSLHG VDMAANPR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HOXC5 homeobox C5 [Homo sapiens (human)]
Official Symbol	HOXC5
Synonyms	HOXC5; homeobox C5; CP11; HOX3; HOX3D; homeobox protein Hox-C5; homeo box C5; homeobox protein CP11; homeobox protein Hox-3D;
Entrez Gene ID	3222
Protein Refseq	NP_061826
UniProt ID	Q00444
Chromosome Location	12q13.3
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;