



Anti-HOXC4 (aa 160-264) polyclonal antibody (DPAB-DC1597)

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, 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.
Immunogen	HOXC4 (NP_705897, 160 a.a. ~ 264 a.a) partial recombinant protein with GST tag. The sequence is RTAYTRQQVLELEKEFHYNRYLTRRRRIEIAHSLCLSERQIKIWFQNRRMKWKKDHRLPN TKVRSAPPAGAAPSTLSAATPGTSEDHSQSATPPEQQRAEDITRL
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	HOXC4 homeobox C4 [Homo sapiens (human)]
Official Symbol	HOXC4
Synonyms	HOXC4; homeobox C4; HOX3; cp19; HOX3E; homeobox protein Hox-C4; homeo box 3E; homeo box C4; homeobox protein CP19; homeobox protein Hox-3E;
Entrez Gene ID	3221
Protein Refseq	NP_055435
UniProt ID	A0A024RB51
Chromosome Location	12q13.3
Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;