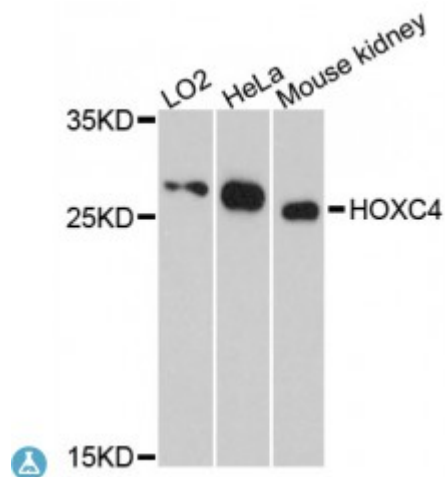


Anti-HOXC4 Antibody



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.

Model	STJ116337
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 30-130 of human HOXC4 (NP_055435.2).
Gene ID	3221
Gene Symbol	HOXC4
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Homeobox protein Hox-C4 Homeobox protein CP19 Homeobox protein Hox-3E
Molecular Weight	29.811 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:5126 OMIM:142974 Reactome:R-HSA-5617472
Alternative Names	Homeobox protein Hox-C4 Homeobox protein CP19 Homeobox protein Hox-3E
Function	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis
Cellular Localization	Nucleus

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