

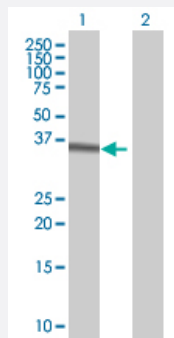
MaxPab®

# HOXC4 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003221-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of HOXC4 expression in transfected 293T cell line ([H00003221-T01](#)) by HOXC4 MaxPab polyclonal antibody.

Lane 1: HOXC4 transfected lysate(29.04 KDa).

Lane 2: Non-transfected lysate.

## Specification

|                         |   |
|-------------------------|---|
| Product Description     | Mouse polyclonal antibody raised against a full-length human HOXC4 protein.   |
| Immunogen               | HOXC4 (NP_055435.2, 1 a.a. ~ 264 a.a) full-length human protein.  |
| Sequence                | MIMSSYLMDSNYIDPKFPPCEEYSQNSYPEHSPEYYGRTRESGFQHHHQELYPPPPPRPSYPER<br>QYSCTSLQGPGNSRGHGPAQAGHHHPEKSQSLCEPAPLSGASASPSAPPACSQPAPDHPSS<br>AASKQPMVYPWMKKIHVSTVNPNYNGGEPKRSRTAYTRQQVLELEKEFHYNRYLTRRRRIEIAHSLC<br>LSERQIKWVFQNRMRKWKDHRPLPNTKVRSAAPPAGAAPSTLSAATPGTSEDHSQSATPPEQQRA<br>EDITRL |
| Host                    | Mouse   |
| Reactivity              | Human   |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.   |
| Storage Buffer          | In 1x PBS, pH 7.4   |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.  |

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[Protocol Download](#)

## Gene Info — HOXC4

Entrez GeneID [3221](#)

GeneBank Accession# [NM\\_014620.4](#)

Protein Accession# [NP\\_055435.2](#)

Gene Name HOXC4

Gene Alias HOX3, HOX3E, cp19

Gene Description homeobox C4

Omim ID [142974](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** homeo box 3E|homeo box C4

## Disease

- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)