

# HOXD4 rabbit monoclonal antibody

Catalog # H00003233-K      Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human HOXD4 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human HOXD4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human HOXD4 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — HOXD4

Entrez GeneID	<a href="#">3233</a>
GeneBank Accession#	<a href="#">HOXD4</a>
Gene Name	HOXD4
Gene Alias	HHO.C13, HOX-5.1, HOX4, HOX4B, Hox-4.2
Gene Description	homeobox D4
Omim ID	<a href="#">142981</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The protein encoded by this gene may play a role in determining positional values in developing limb buds. Alternatively spliced variants have been described but their full length nature has not been determined. [provided by RefSeq]</p>
Other Designations	Hox-4.2, mouse, homolog of homeo box X homeo box D4 homeobox protein Hox-D4

## Disease

- [Clubfoot](#)
- [Leukemia](#)