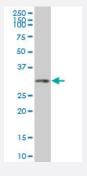


HOXC4 monoclonal antibody (M02), clone 2D6

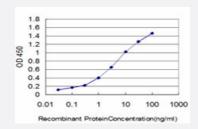
Catalog # H00003221-M02 Size 100 ug

Applications



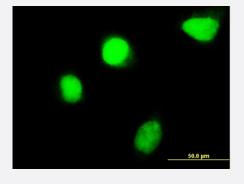
Western Blot (Cell lysate)

HOXC4 monoclonal antibody (M02), clone 2D6 Western Blot analysis of HOXC4 expression in K-562 (Cat # L009V1).



Sandwich ELISA (Recombinant protein)

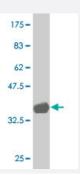
Detection limit for recombinant GST tagged HOXC4 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to HOXC4 on HeLa cell. [antibody concentration 10 ug/ml]





Western Blot detection against Immunogen (37.29 KDa).

Specification	
Product Description	Mouse monoclonal antibody raised against a partial recombinant HOXC4.
Immunogen	HOXC4 (NP_705897, 160 a.a. ~ 264 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RTAYTRQQVLELEKEFHYNRYLTRRRRIEIAHSLCLSERQIKIWFQNRRMKWKKDHRLPNTKVRSA PPAGAAPSTLSAATPGTSEDHSQSATPPEQQRAEDITRL
Host	Mouse
Reactivity	Human
Isotype	lgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.29 KDa).
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

Western Blot (Cell lysate)

HOXC4 monoclonal antibody (M02), clone 2D6 Western Blot analysis of HOXC4 expression in K-562 (Cat # L009V1).

Protocol Download

Western Blot (Recombinant protein)

Protocol Download



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXC4 is approximately 0.03ng/ml as a capture antibody.

Protocol Download

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to HOXC4 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — HOXC4	
Entrez GeneID	<u>3221</u>
GeneBank Accession#	NM_153633
Protein Accession#	NP_705897
Gene Name	HOXC4
Gene Alias	HOX3, HOX3E, cp19
Gene Description	homeobox C4
Omim ID	142974
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conse rved 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 tand em. This gene, HOXC4, is one of several homeobox HOXC genes located in a cluster on chromo some 12. Three genes, HOXC5, HOXC4 and HOXC6, share a 5' non-coding exon. Transcripts m ay 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