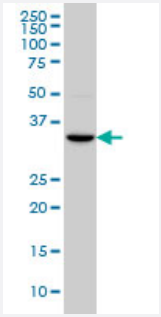
HOXC4 monoclonal antibody (M01), clone 1E9

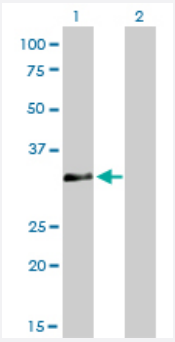
Catalog # H00003221-M01 Size 100 ug

Applications



Western Blot (Cell lysate)

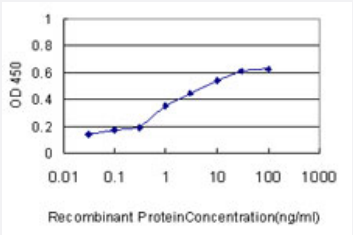
HOXC4 monoclonal antibody (M01), clone 1E9 Western Blot analysis of HOXC4 expression in A-549 (Cat # L025V1).



Western Blot (Transfected lysate)

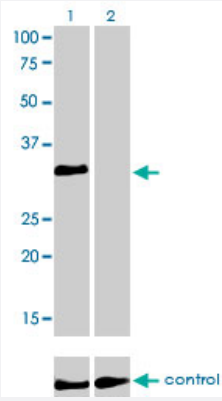
Western Blot analysis of HOXC4 expression in transfected 293T cell line by HOXC4 monoclonal antibody (M01), clone 1E9.

Lane 1: HOXC4 transfected lysate(29.8 KDa).
Lane 2: Non-transfected lysate.



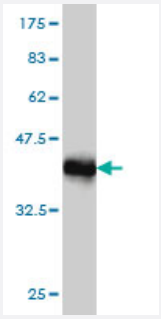
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXC4 is approximately 0.1ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of HOXC4 over-expressed 293 cell line, cotransfected with HOXC4 Validated Chimera RNAi (Cat # H00003221-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HOXC4 monoclonal antibody (M01), clone 1E9 (Cat # H00003221-M01). GAPDH (36.1 kDa) used as specificity and loading control.



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	IgG2a 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 (M01), clone 1E9 Western Blot analysis of HOXC4 expression in A-549 (Cat # L025V1).

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of HOXC4 expression in transfected 293T cell line by HOXC4 monoclonal antibody (M01), clone 1E9.

  Lane 1: HOXC4 transfected lysate(29.8 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged HOXC4 is approximately 0.1ng/ml as a capture antibody.

  Protocol Download

- ELISA

- RNAi Knockdown (Antibody validated)

  Western blot analysis of HOXC4 over-expressed 293 cell line, cotransfected with HOXC4 Validated Chimera RNAi (Cat # H00003221-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HOXC4 monoclonal antibody (M01), clone 1E9 (Cat # H00003221-M01). GAPDH (36.1 kDa) used as specificity and loading control.

  Protocol Download

Gene Info — HOXC4

Entrez GeneID	3221
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	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