10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HOXC12 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HOXC12.
Catalog # AT2418a

Product Information

Application	WB, E
Primary Accession	P31275
Other Accession	NM_173860
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1C6
Calculated MW	30171

Additional Information

Gene ID	3228
Other Names	Homeobox protein Hox-C12, Homeobox protein Hox-3F, HOXC12, HOC3F, HOX3F
Target/Specificity	HOXC12 (NP_776272, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HOXC12 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

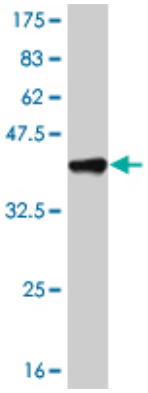
This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12.

References

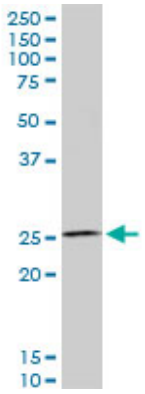
Complete mutation analysis panel of the 39 human HOX genes. Kosaki K, et al. Teratology, 2002 Feb. PMID

11857506.Distinct patterns of all-trans retinoic acid dependent expression of HOXB and HOXC homeogenes in human embryonal and small-cell lung carcinoma cell lines. Flagiello D, et al. FEBS Lett, 1997 Oct 6. PMID 9357979.The human HOX gene family. Acampora D, et al. Nucleic Acids Res, 1989 Dec 25. PMID 2574852.Nomenclature for human homeobox genes. McAlpine PJ, et al. Genomics, 1990 Jul. PMID 1973146.Vertebrate homeobox gene nomenclature. Scott MP. Cell, 1992 Nov 13. PMID 1358459.

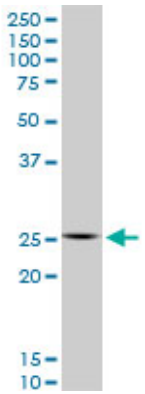
Images



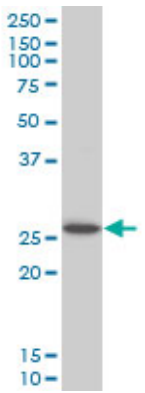
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



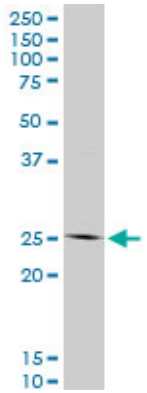
HOXC12 monoclonal antibody (M01), clone 1C6. Western Blot analysis of HOXC12 expression in PC-12((Cat # AT2418a)



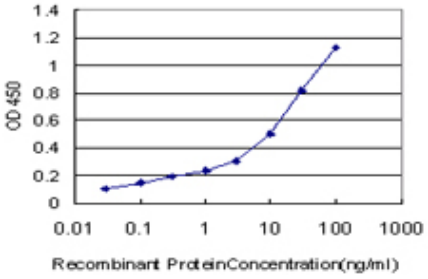
HOXC12 monoclonal antibody (M01), clone 1C6. Western Blot analysis of HOXC12 expression in Raw 264.7((Cat # AT2418a)



HOXC12 monoclonal antibody (M01), clone 1C6 Western Blot analysis of HOXC12 expression in Jurkat ((Cat # AT2418a)



HOXC12 monoclonal antibody (M01), clone 1C6. Western Blot analysis of HOXC12 expression in NIH/3T3((Cat # AT2418a)



Detection limit for recombinant GST tagged HOXC12 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.