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HOXC13 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HOXC13.
Catalog # AT2420a

Product Information

Application	WB, E
Primary Accession	P31276
Other Accession	NM_017410
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	10D4
Calculated MW	35379

Additional Information

Gene ID	3229
Other Names	Homeobox protein Hox-C13, Homeobox protein Hox-3G, HOXC13, HOX3G
Target/Specificity	HOXC13 (NP_059106, 132 a.a. ~ 231 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	HOXC13 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

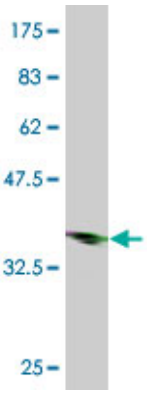
This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located 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. The product of this gene may play a role in the development of hair, nail, and filiform papilla.

References

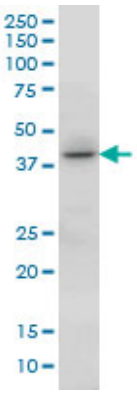
1.Palmitoylation Regulates Epidermal Homeostasis and Hair Follicle Differentiation.Mill P, Lee AW, Fukata Y,

Tsutsumi R, Fukata M, Keighren M, Porter RM, McKie L, Smyth I, Jackson IJ.PLoS Genet. 2009 Nov;5(11):e1000748. Epub 2009 Nov 26.2.Dlx3 is a crucial regulator of hair follicle differentiation and cycling.Hwang J, Mehrani T, Millar SE, Morasso MI.Development. 2008 Sep;135(18):3149-59. Epub 2008 Aug 6.

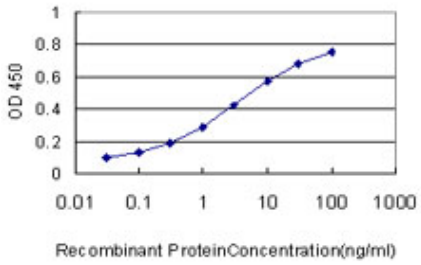
Images



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



HOXC13 monoclonal antibody (M01), clone 10D4 Western Blot analysis of HOXC13 expression in A-549 ((Cat # AT2420a)



Detection limit for recombinant GST tagged HOXC13 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'.