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HAND2 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant HAND2.
Catalog # AT2315a

Product Information

Application	WB
Primary Accession	P61296
Other Accession	NM_021973
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D5
Calculated MW	23666

Additional Information

Gene ID	9464
Other Names	Heart- and neural crest derivatives-expressed protein 2, Class A basic helix-loop-helix protein 26, bHLHa26, Deciduum, heart, autonomic nervous system and neural crest derivatives-expressed protein 2, dHAND, HAND2, BHLHA26, DHAND
Target/Specificity	HAND2 (NP_068808.1, 135 a.a. ~ 216 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
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	HAND2 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

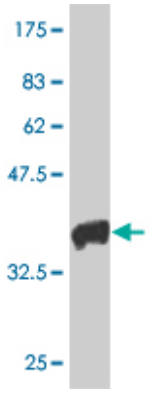
Background

The protein encoded by this gene belongs to the basic helix-loop-helix family of transcription factors. This gene product is one of two closely related family members, the HAND proteins, which are asymmetrically expressed in the developing ventricular chambers and play an essential role in cardiac morphogenesis. Working in a complementary fashion, they function in the formation of the right ventricle and aortic arch arteries, implicating them as mediators of congenital heart disease. In addition, this transcription factor plays an important role in limb and branchial arch development.

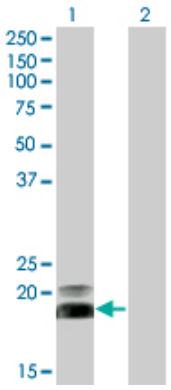
References

1.Progestin-induced heart and neural crest derivatives expressed transcript 2 is associated with fibulin-1 expression in human endometrial stromal cells.Cho H, Okada H, Tsuzuki T, Nishigaki A, Yasuda K, Kanzaki H.Fertil Steril. 2012 Oct 1. pii: S0015-0282(12)02175-9. doi: 10.1016/j.fertnstert.2012.08.056.

Images

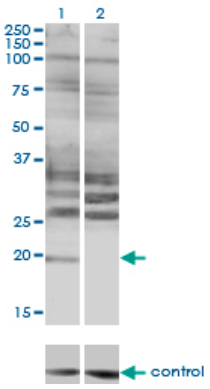


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.76 KDa) .



Western Blot analysis of HAND2 expression in transfected 293T cell line by HAND2 monoclonal antibody (M06), clone 3D5.

Lane 1: HAND2 transfected lysate(21.6 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of HAND2 over-expressed 293 cell line, cotransfected with HAND2 Validated Chimera RNAi ((Cat # AT2315a)

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