HAND2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	HAND2, Monoclonal Antibody
Full Product Name	HAND2 (Heart and Neural Crest Derivatives Expressed 2, DHAND2, FLJ16260, Hed, MGC125303, MGC125304, Thing2, bHLHa26, dHand) (MaxLight 750)
Product Gene Name	anti-HAND2 antibody
Product Synonym Names	Heart and Neural Crest Derivatives Expressed 2; DHAND2; FLJ16260; Hed; MGC125303; MGC125304; Thing2; bHLHa26; dHand
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	1C7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes HAND2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	20,269 Da
Immunogen	HAND2 (NP_068808.1, 135aa-216aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LSKIKTLRLATSYIAYLMDLLAKDDQNGEAEAFKAEIKKTDVKEEKRKKELNEILKSTVSSNDKKTKGRTGWPQHVWALELK
Conjugate	MaxLight750
Product Categories/Family for anti-HAND2 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-HAND2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-HAND2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-HAND2 antibody	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. [provided by RefSeq]
Other Notes	Small volumes of anti-HAND2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HAND2 purchase	MBS6238564 is an antibody targeting HAND2. Also known as HAND2 (Heart and Neural Crest Derivatives Expressed 2, DHAND2, FLJ16260, Hed, MGC125303, MGC125304, Thing2, bHLHa26, dHand) (MaxLight 750). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HAND2. It may not necessarily be applicable to this product.

NCBI GI #	88999597
NCBI GeneID	9464
NCBI Accession #	NP_068808.1
UniProt Secondary Accession #	O95300; O95301; P97833; Q494T1; B6ECG9
UniProt Related Accession #	P61296
GenBank Nucleotide #	NM_021973
NCBI Official Full Name	Homo sapiens heart and neural crest derivatives expressed 2 (HAND2), mRNA
NCBI Official Synonym Full Names	heart and neural crest derivatives expressed 2
NCBI Official Symbol	HAND2
NCBI Official Synonym Symbols	Hed; dHand; DHAND2; Thing2; bHLHa26
Protein Family	Heart- and neural crest derivatives-expressed protein
NCBI Protein Information	heart- and neural crest derivatives-expressed protein 2; basic helix-loop-helix transcription factor HAND2; class A basic helix-loop-helix protein 26; deciduum, heart, autonomic nervous system and neural crest derivatives-expressed protein 2
Research Articles on HAND2	**1.** suggest that HAND2 plays a key role in the regulation of progestin-induced decidualization of human endometrial stromal cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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