

Mouse HAND1 Monoclonal Antibody | anti-HAND1 antibody

HAND1 antibody

CATALOG # AAA106526	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

HAND1; Monoclonal Antibody; HAND1 antibody; Monoclonal HAND1; Anti-HAND1; Heart and neural crest derivatives expressed 1; bHLHa27; Hxt; Thing1; eHand; Class A basic helix-loop-helix protein 27; HAND 1; HAND-1; anti-HAND1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	1G10
Purity/Purification	HAND1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	1.0mg/ml (varies by lot)
Applicable Applications for anti-HAND1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cross-Reactivity	Human
Immunogen	HAND1 antibody was raised in mouse using a full length recombinant protein of human HAND1 (NP_004812) produced in E Coli as the immunogen.
Preparation and Storage	Shipping: Blue Ice Upon receipt, store at -20°C. Avoid repeat freeze-thaw cycles.

IMAGES



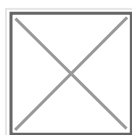
FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of Hela cells using HAND1 antibody (Red), compared to a nonspecific negative control antibody (Blue).



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant HAND1 protein using HAND1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HAND1 protein (Right) or empty vector (Left) detected with HAND1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HAND1 antibody	HAND1 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, it has been suggested that this transcription factor may be required for early trophoblast differentiation.
Product Categories/Family for anti-HAND1 antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758506
NCBI GeneID	9421
NCBI Accession #	NP_004812
NCBI GenBank Nucleotide #	NM_004821.2
UniProt Accession #	O96004
Molecular Weight	23,627 Da
NCBI Official Full Name	heart- and neural crest derivatives-expressed protein 1
NCBI Official Synonym Full Names	heart and neural crest derivatives expressed 1
NCBI Official Symbol	HAND1
NCBI Official Synonym Symbols	Hxt; eHand; Thing1; bHLHa27
NCBI Protein Information	heart- and neural crest derivatives-expressed protein 1
UniProt Protein Name	Heart- and neural crest derivatives-expressed protein 1
UniProt Gene Name	HAND1
UniProt Synonym Gene Names	BHLHA27; EHAND; bHLHa27; eHAND
UniProt Entry Name	HAND1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hand1-antibody-clone-1g10-western-blot-immunofluorescence-flow-cytometry-elisa/106526>