

Rabbit HAND2 Polyclonal Antibody | anti-HAND2 antibody

HAND2 Antibody (Center)

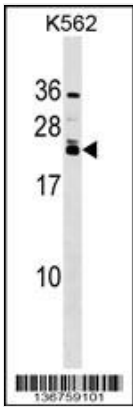
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286908	Rabbit	Human (Predicted Reactivity: Chicken, Mouse, Rat, Xenopus)	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

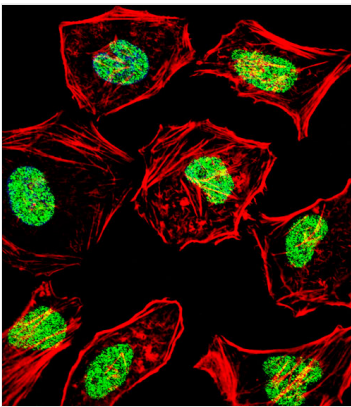
HAND2; Polyclonal Antibody; HAND2 Antibody (Center); Heart- and neural crest derivatives-expressed protein 2; Class A basic helix-loop-helix protein 26; bHLHa26; Deciduum; heart; autonomic nervous system and neural crest derivatives-expressed protein 2; dHAND; BHLHA26; DHAND; anti-HAND2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HAND2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-110 amino acids from the Central region of human HAND2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	81-110
Sequence Length	217
Applicable Applications for anti-HAND2 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
HAND2 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the HAND2 antibody detected the HAND2 protein (arrow).



IF (Immunofluorescence)
Fluorescent confocal image of HeLa cell stained with HAND2 Antibody (Center). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HAND2 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). HAND2 immunoreactivity is localized to Nucleus significantly.

ADDITIONAL INFORMATION

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.
Product Categories/Family for anti-HAND2 antibody	Cardiovascular; Neuroscience
References	Shen, L., et al. Chin. Med. J. 123(13):1623-1627(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) : Voth, H., et al. BMC Mol. Biol. 10, 28 (2009) : Morikawa, Y., et al. Circ. Res. 103(12):1422-1429(2008) Han, Z., et al. Development 133(6):1175-1182(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	12545384
NCBI GeneID	9464
NCBI Accession #	NP_068808.1
NCBI GenBank Nucleotide #	NM_021973.2
UniProt Accession #	P61296; O95300; O95301; P97833; Q494T1; B6ECG9
Molecular Weight	23666
NCBI Official Full Name	heart- and neural crest derivatives-expressed protein 2
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
NCBI Protein Information	heart- and neural crest derivatives-expressed protein 2
UniProt Protein Name	Heart- and neural crest derivatives-expressed protein 2
UniProt Gene Name	HAND2
UniProt Synonym Gene Names	BHLHA26; DHAND; bHLHa26; dHAND
UniProt Entry Name	HAND2_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/polyclonal/hand2-antibody-immunofluorescence-western-blot-elisa/286908>