

Rabbit HAND2 Polyclonal Antibody | anti-HAND2 antibody

HAND2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329079	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, ELISA

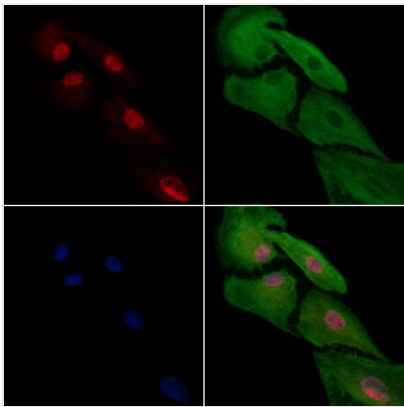
PRODUCT SYNONYMS

HAND2; Polyclonal Antibody; HAND2 Antibody; AI225906; AI661148; autonomic nervous system and neural crest derivatives-expressed protein 2; Basic helix loop helix transcription factor HAND2; bHLHa26; Class A basic helix-loop-helix protein 26; Deciduum; Deciduum heart autonomic nervous system and neural crest derivatives expressed protein 2; DHAND 2; dHAND; DHAND2; Ehand 2; Ehand2; FLJ16260; HAND 2; Hand2; HAND2_HUMAN; Heart and neural crest derivatives expressed 2; Heart and neural crest derivatives expressed protein 2; heart and neural crest derivatives expressed transcript 2; heart; Heart- and neural crest derivatives-expressed protein 2; Hed; Highly similar to dHAND M musculus; MGC125303; MGC125304; Th 2; Th2; Thing 2; Thing2; anti-HAND2 antibody

PRODUCT SPECIFICATIONS

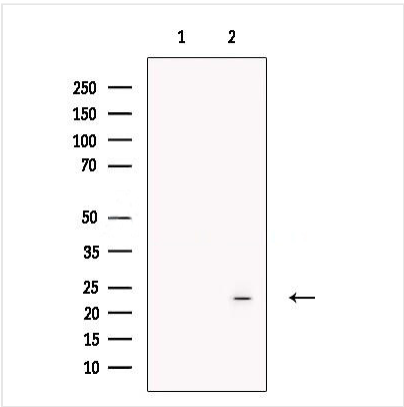
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HAND2 Antibody detects endogenous levels of total HAND2.
Purity/Purification	Peptide affinity purification
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	217
Applicable Applications for anti-HAND2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA
Immunogen	A synthesized peptide derived from human HAND2, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



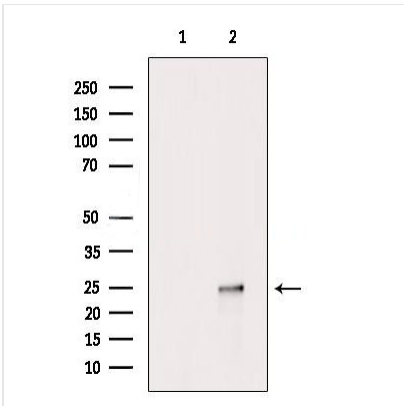
IF (Immunofluorescence)

AAA329079 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329079) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L)Ab(Green) were used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using HAND2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from A2780 cells, using HAND2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HAND2 antibody	Essential for cardiac morphogenesis, particularly for the formation of the right ventricle and of the aortic arch arteries. Required for vascular development and regulation of angiogenesis, possibly through a VEGF signaling pathway. Plays also an important role in limb development, particularly in the establishment of anterior-posterior polarization, acting as an upstream regulator of sonic hedgehog (SHH) induction in the limb bud. Is involved in the development of branchial arches, which give rise to unique structures in the head and neck. Binds DNA on E-box consensus sequence 5'-CANNTG-3' (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12545384
NCBI GeneID	9464
NCBI Accession #	NP_068808.1
NCBI GenBank Nucleotide #	NP_068808.1
UniProt Accession #	P61296
Molecular Weight	23kDa

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-western-blot-immunocytochemistry-immunofluorescence-elisa/329079>