

## Rabbit HAND1 Polyclonal Antibody | anti-HAND1 antibody

HAND1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA321179 | Rabbit | Human, Mouse, Rat | Western Blot, ELISA, Immunocytochemistry, Immunofluorescence |

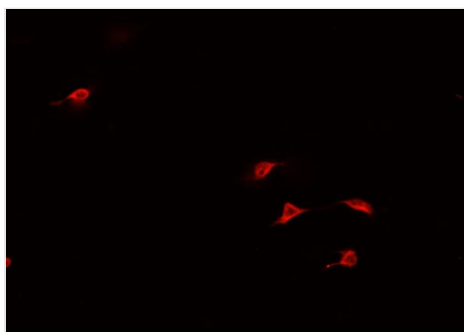
### PRODUCT SYNONYMS

HAND1; Polyclonal Antibody; HAND1 Antibody; autonomic nervous system and neural crest derivatives-expressed protein 1; Basic helix loop helix transcription factor HAND1; bHLHa27; Class A basic helix-loop-helix protein 27; eHAND; Extraembryonic tissues; Extraembryonic tissues heart autonomic nervous system and neural crest derivatives expressed protein 1; HAND 1; HAND1\_HUMAN; Heart and neural crest derivatives expressed 1; Heart and neural crest derivatives expressed protein 1; heart; Heart-and neural crest derivatives-expressed protein 1; Hxt; Thing 1; Thing1; anti-HAND1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                     |
| Reactivity                                      | Human, Mouse, Rat                                                                                          |
| Clonality                                       | Polyclonal                                                                                                 |
| Isotype                                         | IgG                                                                                                        |
| Specificity                                     | HAND1 antibody detects endogenous levels of HAND1                                                          |
| Purity/Purification                             | Peptide affinity purification                                                                              |
| Form/Format                                     | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                        |
| Concentration                                   | ~1mg/ml (varies by lot)                                                                                    |
| Sequence Length                                 | 215                                                                                                        |
| Applicable Applications for anti-HAND1 antibody | WB (Western Blot), ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence)                               |
| Immunogen                                       | A synthesized peptide derived from human HAND1, 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)

AAA321179 staining U-2 OS cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HAND1 antibody | Description: 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, it has been suggested that this transcription factor may be required for early trophoblast differentiation. |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 4758506                                                 |
| NCBI GeneID                      | 9421                                                    |
| NCBI Accession #                 | NP_004812.1                                             |
| NCBI GenBank Nucleotide #        | NM_004821.2                                             |
| UniProt Accession #              | O96004                                                  |
| Molecular Weight                 | Observed: 23 kDa<br>Predicted: 24 kDa                   |
| 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                          |

**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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