

Product datasheet for **TA334253**

HAND1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HAND1 antibody: synthetic peptide directed towards the N terminal of human HAND1. Synthetic peptide located within the following region: CHQERPYPFQSWLLSPADAAPDFPAGGPPPAATAATAYGPDARPGQSPGR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23 kDa
Gene Name:	heart and neural crest derivatives expressed 1
Database Link:	NP_004812 Entrez Gene 9421 Human O96004



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Background:

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.

Synonyms:

bHLHa27; eHand; Hxt; Thing1

Note:

Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Guinea pig: 100%; Dog: 92%; Horse: 92%; Rabbit: 85%

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Product images:

WB Suggested Anti-HAND1 Antibody Titration:
0.2-1 ug/ml; Positive Control: Human Liver