

# HAND1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21275a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">O96004</a>
<b>Reactivity</b>	Human, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB51191
<b>Calculated MW</b>	23627

## Additional Information

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<b>Gene ID</b>	9421
<b>Other Names</b>	Heart- and neural crest derivatives-expressed protein 1, Class A basic helix-loop-helix protein 27, bHLHa27, Extraembryonic tissues, heart, autonomic nervous system and neural crest derivatives-expressed protein 1, eHAND, HAND1, BHLHA27, EHAND
<b>Target/Specificity</b>	This HAND1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 83-116 amino acids from the N-terminal region of human HAND1.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	HAND1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HAND1
<b>Synonyms</b>	BHLHA27, EHAND
<b>Function</b>	Transcription factor that plays an essential role in both trophoblast giant

cell differentiation and in cardiac morphogenesis (By similarity). Binds the DNA sequence 5'-NRTCTG-3' (non-canonical E-box) (By similarity). Acts as a transcriptional repressor of SOX15 (By similarity). In the adult, could be required for ongoing expression of cardiac-specific genes (PubMed:[9931445](#)).

**Cellular Location**

Nucleus, nucleoplasm. Nucleus, nucleolus. Note=Interaction with MDFIC sequesters it into the nucleolus, preventing the transcription factor activity Phosphorylation by PLK4 disrupts the interaction with MDFIC and releases it from the nucleolus, leading to transcription factor activity (By similarity).

**Tissue Location**

Heart.

## Background

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Transcription factor that plays an essential role in both trophoblast-giant cells differentiation and in cardiac morphogenesis. In the adult, could be required for ongoing expression of cardiac-specific genes. Binds the DNA sequence 5'- NRTCTG-3' (non-canonical E-box) (By similarity).

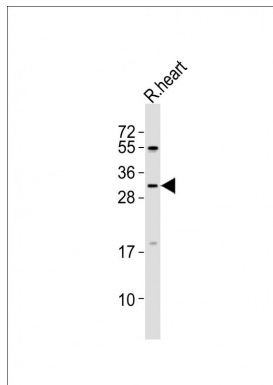
## References

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Knoefler M.,et al.Gene 224:77-86(1998).

## Images

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Anti-HAND1 Antibody (N-term)at 1:2000 dilution + rat heart lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.