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HAND1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21275a

Specification

HAND1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O96004
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23627**

HAND1 Antibody (N-term) - Additional Information

Gene ID 9421

Other Names
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

Target/Specificity
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.

Dilution
WB~~1:2000

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.

Storage
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.

Precautions
HAND1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HAND1 Antibody (N-term) - Protein Information

Name HAND1

Synonyms BHLHA27, EHAND

Function 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).

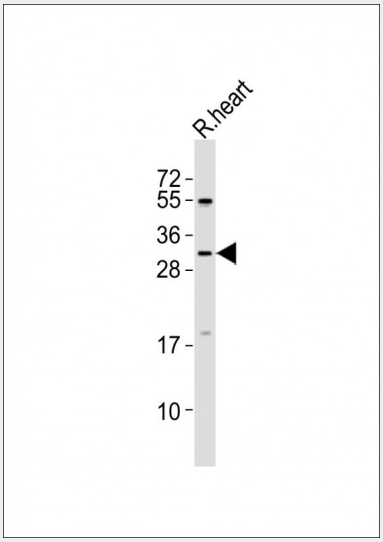
Tissue Location
Heart.

HAND1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HAND1 Antibody (N-term) - Images



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.

HAND1 Antibody (N-term) - Background

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).

HAND1 Antibody (N-term) - References

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