

### **HBLD2 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55984

#### **Specification**

### **HBLD2 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat, Dog
Host
Clonality
Calculated MW
Physical State

Q9BUE6
Rat, Dog
Rabbit
Polyclonal
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human HBLD2

Epitope Specificity 1-100/129

Isotype Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Mitochondrion.

SIMILARITY Belongs to the HesB/IscA family.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

### **Background Descriptions**

ISCA1 is a mitochondrial protein involved in the biogenesis and assembly of iron-sulfur clusters, which play a role in electron-transfer reactions (Cozar-Castellano et al., 2004 [PubMed 15262227]).

### **HBLD2 Polyclonal Antibody - Additional Information**

#### **Gene ID 81689**

#### **Other Names**

Iron-sulfur cluster assembly 1 homolog, mitochondrial, HESB-like domain-containing protein 2, Iron-sulfur assembly protein IscA, ISCA1, HBLD2

#### Target/Specificity

Detected in cerebellum, kidney and heart.

# Dilution

<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>

="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class

="dilution IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF~~1:50~200</span><br \> < span class = "dilution\_ICC">ICC~~N/A</span> < br \> < span class = "dilution\_ICC">ICC~~N/A</span> < span class = "dilution\_ICC">ICC~~N/A</span > < span class = "dilution\_I

\><span class ="dilution\_E">E~~N/A</span>



### **Storage**

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

### **HBLD2 Polyclonal Antibody - Protein Information**

Name ISCA1

Synonyms HBLD2

#### **Function**

Involved in the maturation of mitochondrial 4Fe-4S proteins functioning late in the iron-sulfur cluster assembly pathway. Probably involved in the binding of an intermediate of Fe/S cluster assembly.

**Cellular Location**Mitochondrion

**Tissue Location** 

Detected in cerebellum, kidney and heart.

### **HBLD2 Polyclonal Antibody - 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

## **HBLD2 Polyclonal Antibody - Images**