

JPH1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13042**Specification**

JPH1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9HDC5
Other Accession	NM_020647 , NP_065698
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72kDa KDa

JPH1 antibody - C-terminal region - Additional Information**Gene ID** 56704**Alias Symbol** **DKFZp762L0313, JP-1, JP1**
Other Names
Junctophilin-1, JP-1, Junctophilin type 1, JPH1, JP1**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-JPH1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

JPH1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

JPH1 antibody - C-terminal region - Protein Information**Name** JPH1**Synonyms** JP1**Function**

Junctophilins contribute to the formation of junctional membrane complexes (JMCs) which link the plasma membrane with the endoplasmic or sarcoplasmic reticulum in excitable cells. Provides a structural foundation for functional cross-talk between the cell surface and intracellular calcium release channels. JPH1 contributes to the construction of the skeletal muscle triad by linking the t-tubule (transverse-tubule) and SR (sarcoplasmic reticulum) membranes.

Cellular Location

Cell membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Sarcoplasmic reticulum membrane; Single-pass type IV membrane protein. Note=Localized predominantly on the plasma membrane. The transmembrane domain is anchored in endoplasmic/sarcoplasmic reticulum membrane, while the N-terminal part associates with the plasma membrane. In skeletal muscle cells, it is predominantly localized at the junction of the A and I bands (By similarity).

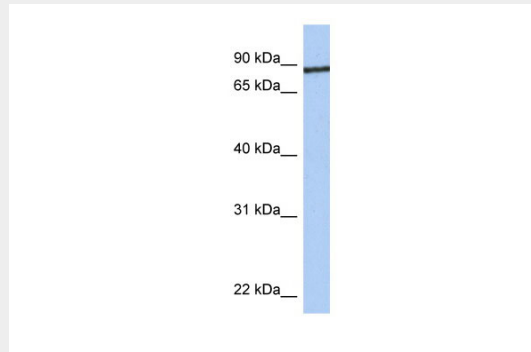
Tissue Location

Abundantly expressed in skeletal muscle. Very low levels in heart.

JPH1 antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JPH1 antibody - C-terminal region - Images

WB Suggested Anti-JPH1 Antibody Titration: 0.2-1 µg/ml

Positive Control: Hela cell lysate

JPH1 antibody - C-terminal region - References

- Nusbaum C., et al. Nature 439:331-335(2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Nishi M., et al. Biochem. Biophys. Res. Commun. 273:920-927(2000).
Olsen J.V., et al. Cell 127:635-648(2006).
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).