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JPH4 Antibody (Internal)

Rabbit Polyclonal Antibody
Catalog # ALS13212

Specification

JPH4 Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q96JJ6
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**66kDa KDa**

JPH4 Antibody (Internal) - Additional Information

Gene ID 84502

Other Names
Junctophilin-4, JP-4, Junctophilin-like 1 protein, JPH4, JPHL1, KIAA1831

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
JPH4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

JPH4 Antibody (Internal) - Protein Information

Name JPH4

Synonyms JPHL1, KIAA1831

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. JPH4 is brain- specific and appears to have an active role in certain neurons involved in motor coordination and memory (By similarity).

Cellular Location
Cell membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Note=Localized predominantly on the plasma membrane. The transmembrane domain is anchored in endoplasmic reticulum membrane, while the N-terminal part associates with the plasma membrane (By similarity).

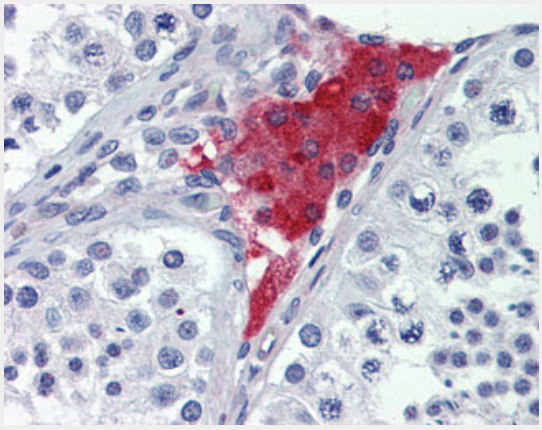
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JPH4 Antibody (Internal) - Protocols

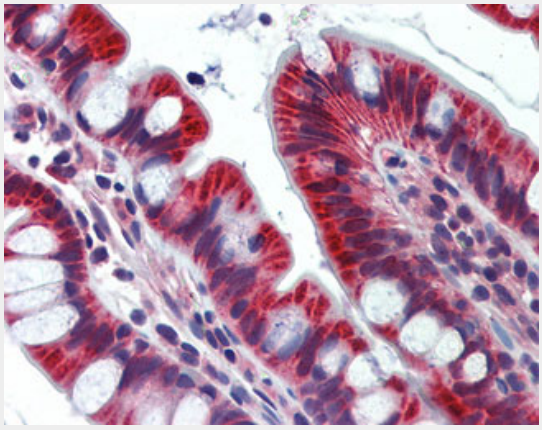
Provided below are standard protocols that you may find useful for product applications.

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

JPH4 Antibody (Internal) - Images



Anti-JPH4 antibody IHC of human testis.



Anti-JPH4 antibody IHC of human small intestine.

JPH4 Antibody (Internal) - Background

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. JPH4 is brain- specific and appears to have an active role in certain neurons involved in motor coordination and memory (By similarity).

JPH4 Antibody (Internal) - References

Nagase T.,et al.DNA Res. 8:85-95(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Ota T.,et al.Nat. Genet. 36:40-45(2004).