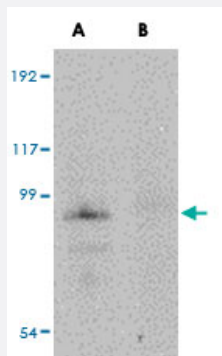


JPH4 polyclonal antibody

Catalog # PAB16598 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of JPH4 in mouse brain tissue lysate with JPH4 polyclonal antibody (Cat # PAB16598) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of JPH4.
Immunogen	A synthetic peptide corresponding to internal region 17 amino acids of human JPH4.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of JPH4 in mouse brain tissue lysate with JPH4 polyclonal antibody (Cat # PAB16598) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — JPH4

Entrez GeneID [84502](#)

Protein Accession# [AAH55429](#)

Gene Name JPH4

Gene Alias FLJ34253, JPHL1, KIAA1831, hJP-4

Gene Description junctophilin 4

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the junctophilin family of transmembrane proteins that are involved in the formation of the junctional membrane complexes between the plasma membrane and the endoplasmic/sarcoplasmic reticulum in excitable cells. The encoded protein contains a conserved N-terminal repeat region called the membrane occupation and recognition nexus sequence that is found in other members of the junctophilin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations OTTHUMP00000027957|junctophilin like 1|type I transmembrane protein

Publication Reference

- [Junctophilin-mediated channel crosstalk essential for cerebellar synaptic plasticity.](#)

Kakizawa S, Kishimoto Y, Hashimoto K, Miyazaki T, Furutani K, Shimizu H, Fukaya M, Nishi M, Sakagami H, Ikeda A, Kondo H, Kano M, Watanabe M, Iino M, Takeshima H.

The EMBO Journal 2007 Mar; 26(7):1924.

Application: WB-Ti, Mouse, Mouse cerebellum

- [Functional uncoupling between Ca²⁺ release and afterhyperpolarization in mutant hippocampal neurons lacking junctophilins.](#)

Moriguchi S, Nishi M, Komazaki S, Sakagami H, Miyazaki T, Masumiya H, Saito SY, Watanabe M, Kondo H, Yawo H, Fukunaga K, Takeshima H.

PNAS 2006 Jun; 103(28):10811.

- [Coexpression of junctophilin type 3 and type 4 in brain.](#)

Nishi M, Sakagami H, Komazaki S, Kondo H, Takeshima H.

Brain Research. Molecular Brain Research 2003 Oct; 118(1-2):102.