



Rabbit Anti-Junctophilin 4 antibody

SL11084R

Product Name:	Junctophilin 4
Chinese Name:	连接蛋白JPH4抗体
Alias:	JP-4; Jph4; JPH4_HUMAN; JPHL1; Junctophilin4; Junctophilin like 1 protein; Junctophilin-4; Junctophilin-like 1 protein; KIAA1831.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	66kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Junctophilin 4:301-400/628
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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 °C.
PubMed:	PubMed
Product Detail:	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,

Mar 2009]

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).

Subcellular Location:

Cell membrane; Peripheral membrane protein (By similarity). Endoplasmic reticulum membrane; Single-pass type IV membrane protein (By similarity). 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).

Similarity:

Belongs to the junctophilin family.
Contains 8 MORN repeats.

SWISS:

Q8WXH2

Gene ID:

84502

Database links:

[Entrez Gene: 84502](#) Human

[Entrez Gene: 319984](#) Mouse

[Entrez Gene: 445271](#) Rat

[SwissProt: Q96JJ6](#) Human

[SwissProt: Q80WT0](#) Mouse

[SwissProt: Q69FB3](#) Rat

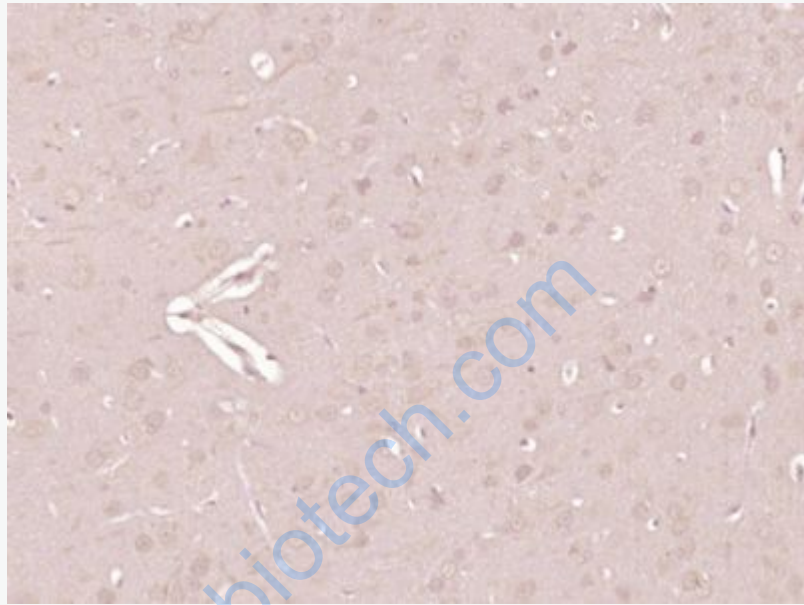
[Unigene: 597841](#) Human

[Unigene: 19047](#) Mouse

[Unigene: 163297](#) Rat

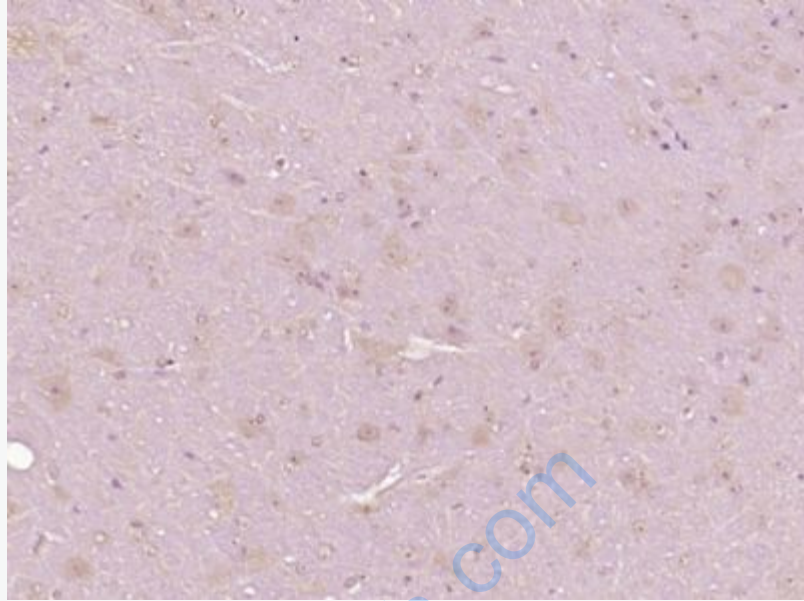
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Junctophilin 4) Polyclonal Antibody, Unconjugated (SL11084R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Junctophilin 4) Polyclonal Antibody, Unconjugated (SL11084R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.