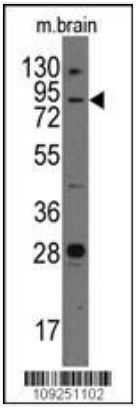
Junctophilin 3 (JP-3) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Junctophilin 3 (JP-3), Polyclonal Antibody
Full Product Name	Junctophilin 3, ID (Junctophilin-3, Junctophilin Type 3, JP-3, Jph3, Jp3) (Azide free) (HRP)
Product Gene Name	anti-JP-3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes mouse Jph3.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	81.229
3D Structure	ModBase 3D Structure for Q9ET77
Immunogen	Synthetic peptide selected from the Center region of mouse Jph3 (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-JP-3 antibody	Antibodies; Connexin; Junction Proteins
Applications Tested/Suitable for anti-JP-3 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-JP-3 antibody	IHC: 1:10-1:50 ELISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-JP-3 antibody	MBS6483990 is an antibody targeting JP-3. Also known as Junctophilin 3, ID (Junctophilin-3, Junctophilin Type 3, JP-3, Jph3, Jp3) (Azide free) (HRP). Reactive in Mouse. Host: Rabbit.
Product References and Citations for anti-JP-3 antibody	1. Kakizawa, S., EMBO J. 26(7), 1924-1933 (2007). 2. Moriguchi, S., Proc. Natl. Acad. Sci. USA 103(28), 10811-10816 (2006). 3. Nishi, M., Brain Res. Mol. Brain Res. 118(1-2), 102-110 (2003). 4. Nishi, M., Biochem. Biophys. Res. Commun. 292(2), 318-324 (2002).
Other Notes	Small volumes of anti-JP-3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-JP-3 antibody
Western blot analysis of anti-Junctophilin 3 Pab in mouse brain tissue lysates (35ug/lane). Junctophilin 3(arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-JP-3 antibody
Formalin-fixed and paraffin-embedded human brain tissue reacted with Junctophilin 3 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for JP-3. It may not necessarily be applicable to this product.

NCBI GI #	10181142
NCBI Accession #	NP_065630
UniProt Primary Accession #	Q9ET77
GenBank Nucleotide #	NP_065630.1
NCBI Official Full Name	junctophilin-3
UniProt Protein Name	Junctophilin-3
UniProt Synonym Protein Names	Junctophilin type 3
Protein Family	Junctophilin
UniProt Gene Name	Jph3
UniProt Synonym Gene Names	Jp3; JP-3
UniProt Entry Name	JPH3_MOUSE
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