

Junctophilin 3 Polyclonal Antibody Cy3 Conjugated

Catalog No: #C00935Cy3

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Description

Product Name	Junctophilin 3 Polyclonal Antibody Cy3 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Junctophilin 3
Conjugates	Cy3
Target Name	Junctophilin 3
Other Names	JP-3; JP3; JPH3; JPH3_HUMAN; Junctophilin3; Junctophilin type 3; Junctophilin-3; TNRC22; Trinucleotide repeat-containing gene 22 protein.
Concentration	1mg/ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

Application Details

IF:1:50-200

Background

Junctophilins are components of the junctional complexes between plasma membranes and endoplasmic or sarcoplasmic reticulums present in all excitable cells. Junctophilins contain a cytoplasmic domain which binds to the plasma membrane, as well as an ER SR membrane spanning hydrophobic C-terminal segment. The three subtypes in this family are Junctophilin-1, -2 and -3. Junctophilin-1 is predominantly expressed in skeletal muscle, but is also expressed at low levels in heart. Junctophilin-2 is expressed in heart and skeletal muscle. Mutant mice lacking the Jph2 gene exhibit embryonic lethality and possess cardiac myocytes that express abnormal calcium transients. Junctophilin-3 is expressed in brain. The JPH3 alternatively spliced exon 2A has been suggested as a site for CTG repeat expansion leading to a Huntington disease-like autosomal dominant disorder.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.