



# JPH2 rabbit pAb

Cat No.:ES11410

For research use only

## Overview

<b>Product Name</b>	JPH2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 611-660
<b>Specificity</b>	JPH2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C . Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Junctophilin-2 (JP-2) (Junctophilin type 2)
<b>Gene Name</b>	JPH2 JP2
<b>Cellular localization</b>	[Junctophilin-2]: Cell membrane ; Peripheral membrane protein . Sarcoplasmic reticulum membrane ; Single-pass type IV membrane protein . Endoplasmic reticulum membrane ; Single-pass type IV membrane protein . The transmembrane domain is anchored in sarcoplasmic reticulum membrane, while the N-terminal part associates with the plasma membrane. In heart cells, it predominantly associates along Z lines within myocytes. In skeletal muscle, it is specifically localized at the junction of A and I bands. . ; [Junctophilin-2 N-terminal fragment]: Nucleus . Accumulates in the nucleus of stressed hearts. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	76kD





**Human Gene ID** 57158  
**Human Swiss-Prot Number** Q9BR39  
**Alternative Names**  
**Background**

Junctional complexes between the plasma membrane and endoplasmic/sarcoplasmic reticulum are a common feature of all excitable cell types and mediate cross talk between cell surface and intracellular ion channels. The protein encoded by this gene is a component of junctional complexes and is composed of a C-terminal hydrophobic segment spanning the endoplasmic/sarcoplasmic reticulum membrane and a remaining cytoplasmic domain that shows specific affinity for the plasma membrane. This gene is a member of the junctophilin gene family. Alternative splicing has been observed at this locus and two variants encoding distinct isoforms are described. [provided by RefSeq, Jul 2008],

