

Datasheet for ABIN500094

anti-Junctophilin 1 antibody (C-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Junctophilin 1 (JPH1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Junctophilin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	JPH1 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human JPH1.
Isotype:	IgG
Specificity:	This antibody detects JPH1.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	Junctophilin 1 (JPH1)
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Target Details

Abstract: [JPH1 Products](#)

Background: Junctional complexes between the plasma membrane (PM) and endoplasmic/sarcoplasmic reticulum (ER/SR) are a common feature of all excitable cell types and mediate cross talk between cell surface and intracellular ion channels. Junctophilins (JPs) are important components of the junctional complexes. JPs are composed of a carboxy-terminal hydrophobic segment spanning the ER/SR membrane and a remaining cytoplasmic domain that shows specific affinity for the PM. Four JPs have been identified as tissue-specific subtypes derived from different genes: JPH1 is expressed in skeletal muscle, JPH2 is detected throughout all muscle cell types, and JPH3 and JPH4 are predominantly expressed in the brain and contribute to the subsurface cistern formation in neurons. JPH1 is essential for stabilizing the T-tubule and SR membranes to form junctions and provide an environment for the assembly of receptors such as the ryanodine receptor type 1 (RyR1). Synonyms: JP1

Gene ID: 56704

NCBI Accession: [NP_065698](#)

UniProt: [Q9HDC5](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

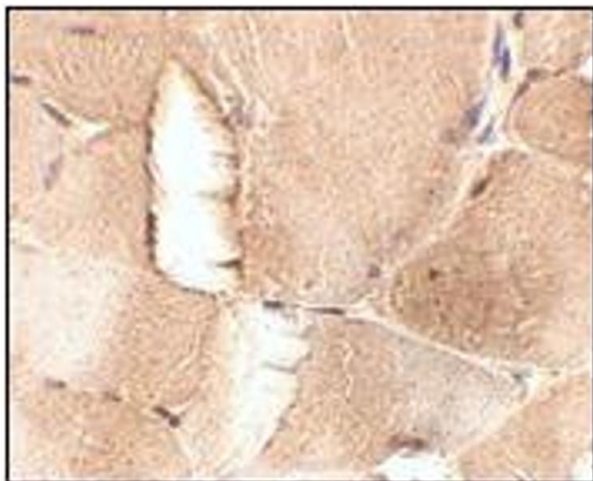
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

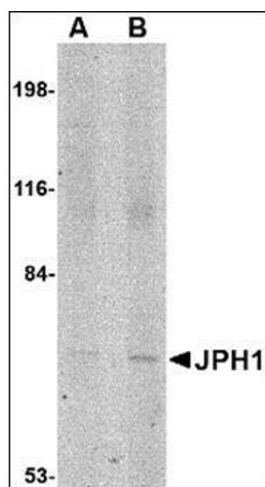
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of JPH1 in mouse skeletal muscle tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of JPH1 in 293 cell lysate with this product at (A) 1 and (B) 2 µg/ml.