

Product datasheet

Anti-JPH1 antibody ab57425

1 References 1 Image

Overview

<b>Product name</b>	Anti-JPH1 antibody
<b>Description</b>	Mouse monoclonal to JPH1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment: VADEQVTAV NKPLMSKAPT KEAGAVVPQS KYSGRHHIPN PSNGELHSQY HGYYVKLNAP QHPPVDVEDG DGSSQSSSA, corresponding to amino acids 501-580 of Human JPH1 <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None PBS, pH 7.2
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab57425** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

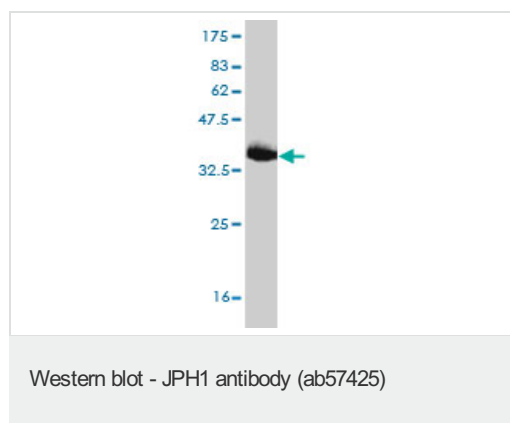
Application	Abreviews	Notes
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Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

## Target

<b>Function</b>	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. JPH1 contributes to the construction of the skeletal muscle triad by linking the t-tubule (transverse-tubule) and SR (sarcoplasmic reticulum) membranes.
<b>Tissue specificity</b>	Abundantly expressed in skeletal muscle. Very low levels in heart.
<b>Sequence similarities</b>	Belongs to the junctophilin family. Contains 7 MORN repeats.
<b>Domain</b>	The MORN (membrane occupation and recognition nexus) repeats contribute to the plasma membrane binding, possibly by interacting with phospholipids.
<b>Cellular localization</b>	Cell membrane. Endoplasmic reticulum membrane. Sarcoplasmic reticulum membrane. Localized predominantly on the plasma membrane. The transmembrane domain is anchored in endoplasmic/sarcoplasmic reticulum membrane, while the N-terminal part associates with the plasma membrane. In skeletal muscle cells, it is predominantly localized at the junction of the A and I bands.

## Images



Western blot against tagged recombinant protein immunogen using ab57425 JPH1 antibody at 1µg/ml. Predicted band size of immunogen is 35 kDa

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