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Datasheet for ABIN6991151 **anti-SYPL2 antibody (C-Term)**

Overview

Quantity:	0.1 mg
Target:	SYPL2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYPL2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	SYPL2 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human SYPL. The immunogen is located within the last 50 amino acids of SYPL2.
Isotype:	IgG
Specificity:	At least two isoforms of SYPL2 are known to exist. SYPL2 antibody will not cross-react with SYPL1.
Purification:	SYPL2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SYPL2
Alternative Name:	SYPL2 (SYPL2 Products)

Target Details

Background:	SYPL2 Antibody: SYPL2, also known as Mitsugumin 29, was initially identified as a transmembrane protein from the triad junction in skeletal muscle that had significant homology with members of the synaptophysin family. SYPL2 is thought to participate in the excitation-contraction coupling process of skeletal muscle as SYPL2-null mice showed reduced muscle contractile force and altered triad junction structure and increased susceptibility to fatigue of the skeletal muscle. SYPL2 plays a critical role in muscle Ca ²⁺ signaling by regulating the process of store-operated Ca ²⁺ entry and interacts with ryanodine receptor (RyR), thereby influencing intracellular Ca ²⁺ homeostasis through changes in the RyR/Ca ²⁺ release function. Co-expression of SYPL2 and RyR in cultured cells leads to apoptotic cell death resulting from the depletion of Ca ²⁺ from the intracellular stores.
Gene ID:	284612
NCBI Accession:	NP_001035799
UniProt:	Q5VXT5

Application Details

Application Notes:	SYPL2 antibody can be used for detection of SYPL2 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SYPL2 Antibody is supplied in 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.
Storage:	-20 °C, 4 °C

Handling

Storage Comment: SYPL2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.