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Datasheet for ABIN6991444 **anti-SYNPO2L antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	SYNPO2L
Binding Specificity:	AA 140-190, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYNPO2L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	SYNPO2L antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human SYNPO2L. The immunogen is located within amino acids 140 - 190 of SYNPO2L.
Isotype:	IgG
Purification:	SYNPO2L Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SYNPO2L
Alternative Name:	SYNPO2L (SYNPO2L Products)
Background:	SYNPO2L Antibody: SYNPO2L was initially identified as a novel heart-enriched gene that encodes a cytoskeletal protein highly expressed in the Z-disc of heart and skeletal muscle,

Target Details

associates with actin and interacts with α -actinin. It is a member of the synaptopodin family, sharing greatest homology with Synaptopodin 2. Recent studies have shown that SYNPO2L, while primarily localized to the sarcomere, can also translocate to the nucleus. A knockdown of SYNPO2L in zebrafish resulted in aberrant cardiac and skeletal muscle development and function, suggesting that it is a critical component of the sarcomere and plays an important role in muscle development.

Gene ID: 79933

UniProt: [Q9H987](#)

Application Details

Application Notes: SYNPO2L antibody can be used for detection of SYNPO2L by Western blot at 1 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: SYNPO2L 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

Storage Comment: SYNPO2L 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.