

Datasheet for 600-401-EY5**SYNPO2L Antibody****Overview**

Description:	Anti-SYNPO2L (RABBIT) Antibody - 600-401-EY5
Item No.:	600-401-EY5
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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, associates with actin and interacts with a-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.
Synonyms:	SYNPO2L Antibody, Synaptopodin 2-like protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SYNPO2L
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SYNPO2L antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the N-terminus of human SYNPO2L.

Purity/Specificity:	Anti-SYNPO2L Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SYNPO2L from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9H987 • GeneID - 79933 • NCBI - NP_001107605.1

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-SYNPO2L Antibody has been tested for use in ELISA, Western Blotting, and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 102 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

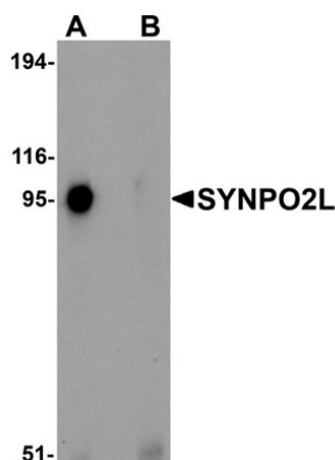
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

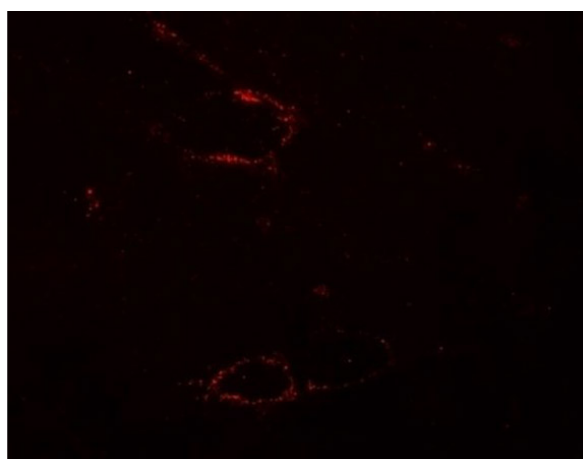


Western Blot

Western blot analysis of SYNPO2L.

Load: human thymus tissue lysate.

Primary Antibody: Anti-SYNPO2L antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence Microscopy

Immunofluorescence of SYNPO2L.

Tissue: mouse skeletal muscle tissue.

Primary Antibody: Anti-SYNPO2L antibody at 20 µg/mL.

Disclaimer

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