

Anti-Synaptopodin 2-like protein SYNPO2L Antibody

Catalog Number: A14266

About SYNPO2L

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 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.

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Overview

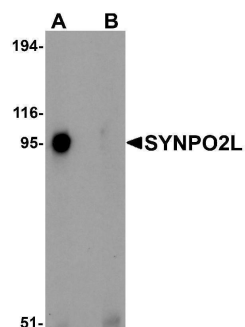
Product Name	Anti-Synaptopodin 2-like protein SYNPO2L Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Synaptopodin 2-like protein SYNPO2L Antibody (Catalog # A14266). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	SYNPO2L Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	SYNPO2L antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9H987

Technical Details

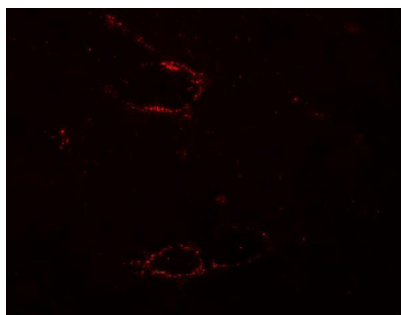
Immunogen	SYNPO2L antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human SYNPO2L. The immunogen is located within amino acids 140 - 190 of SYNPO2L.
Predicted Reactive Species	Bovine, Mouse, Rat
Isotype	IgG

Form	Liquid
Concentration	1 mg/mL
Purification	SYNPO2L Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SYNPO2L antibody can be used for detection of SYNPO2L by Western blot at 1 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Synaptopodin 2-like protein SYNPO2L Antibody (A14266) Images



Western blot analysis of SYNPO2L in human thymus tissue lysate with SYNPO2L antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of SYNPO2L in mouse skeletal muscle tissue with SYNPO2L antibody at 20 ug/mL.

[Anti-Synaptopodin 2-like protein SYNPO2L Antibody](#)

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