Datasheet for ABIN783777

anti-SYNPO2L antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	SYNPO2L
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYNPO2L antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Affinity chromatography purified via peptide column
Specificity:	This antibody detects SYNPO2L at N-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	SYNPO2L
Alternative Name:	SYNPO2L (SYNPO2L Products)
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

Target Details

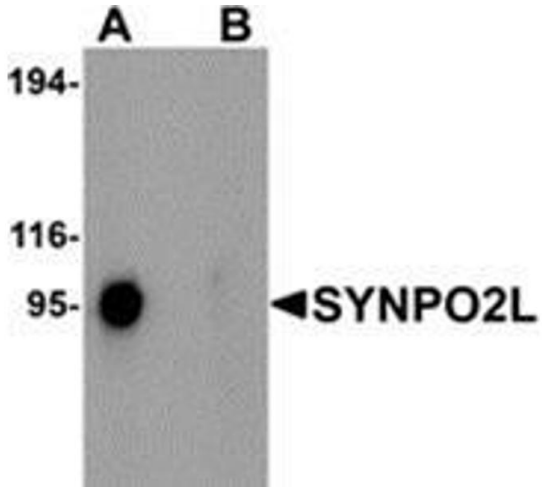
	interacts with a-actinin. It is a member of the synaptopodin family, sharing greatest homology with Synaptopodin 2. Recent studies have shown that SYNPO2L, while primarily localized to the sarcomere, can also translocate to the nucleus. A knockdown of SYNPO2L in zebrafish resulted in aberrant cardiac 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: CHAP, Synaptopodin 2-like, cytoskeletal heart-enriched actin-associated protein
Gene ID:	79933
NCBI Accession:	NP_001107605
UniProt:	Q9H987

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

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