

TMOD4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17611c

Product Information

Application	WB, E
Primary Accession	Q9NZQ9
Other Accession	Q9JLH8 , Q0VC48 , NP_037485.2
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37649
Calculated MW	39335
Antigen Region	150-176

Additional Information

Gene ID	29765
Other Names	Tropomodulin-4, Skeletal muscle tropomodulin, Sk-Tmod, TMOD4
Target/Specificity	This TMOD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 150-176 amino acids from the Central region of human TMOD4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TMOD4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TMOD4
Function	Blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane

skeleton.

Cellular Location

Cytoplasm, cytoskeleton. Note=In myofibrils with sarcomeric structure, localizes to the pointed end of actin thin filaments (PubMed:25250574).

Tissue Location

Highly expressed in skeletal muscle.

Background

TMOD4 blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton.

References

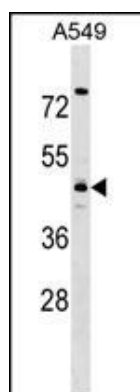
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Images



TMOD4 Antibody (Center) (Cat. #AP17611c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the TMOD4 antibody detected the TMOD4 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.