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TMOD4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17611c

Specification

TMOD4 Antibody (Center) - 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**
Calculated MW	**39335**
Antigen Region	**150-176**

TMOD4 Antibody (Center) - 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

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.

TMOD4 Antibody (Center) - 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).

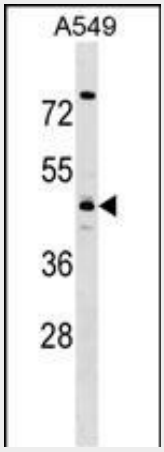
Tissue Location
Highly expressed in skeletal muscle.

TMOD4 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TMOD4 Antibody (Center) - 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).

TMOD4 Antibody (Center) - 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.

TMOD4 Antibody (Center) - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Cox, P.R., et al. BMC Genomics 2 (1), 7 (2001) :
Cox, P.R., et al. Genomics 63(1):97-107(2000)
Almenar-Queralt, A., et al. J. Biol. Chem. 274(40):28466-28475(1999)