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TPM3 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21987b

Product Information

Application	WB, E
Primary Accession	P06753
Other Accession	Q5KR49, P04268, P58773, P13104, P09493, P84335, P58771, P42639, P58772, P13105, P04692, Q01173, Q5KR47, A1XQV4
Reactivity	Human
Predicted	Bovine, Chicken, Human, Mouse, Pig, Rat, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54537
Calculated MW	32950

Additional Information

Gene ID	7170
Other Names	Tropomyosin alpha-3 chain, Gamma-tropomyosin, Tropomyosin-3, Tropomyosin-5, hTM5, TPM3
Target/Specificity	This TPM3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 245-276 amino acids from the human region of human TPM3.
Dilution	WB~~1:2000 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	TPM3 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TPM3
Function	Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation

of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

Cellular Location Cytoplasm, cytoskeleton.

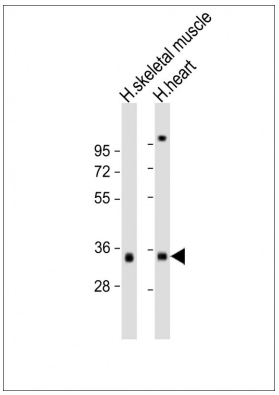
Background

Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.

References

Reinach F.C.,et al.Nature 322:648-650(1986).
McLeod A.R.,et al.Nucleic Acids Res. 14:8413-8426(1986).
Clayton L.,et al.J. Mol. Biol. 201:507-515(1988).
Lin J.J.-C.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).

Images



All lanes : Anti-TPM3 Antibody (C-Term) at 1:2000 dilution Lane 1: human skeletal muscle lysate Lane 2: human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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