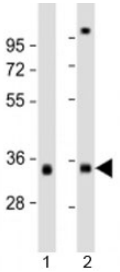
TPM3 Antibody / Tropomyosin-3 (F53903)

Catalog No.	Formulation	Size
F53903-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, Chicken, Mouse, Pig, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P06753
Applications	Western blot: 1:1000-2000
Limitations	This TPM3 antibody is available for research use only.



Western blot testing of 1) human skeletal muscle and 2) human heart lysate with TPM3 antibody at 1:2000. Predicted molecular weight: 33 kDa.

Description

Tropomyosin-3 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.

Application Notes

Titration of the TPM3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 245-276 from the human protein was used as the immunogen for the TPM3 antibody.

Storage

Aliquot the TPM3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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