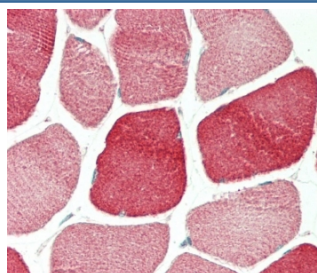


Tropomyosin 4 Antibody / TPM4 (F54657)

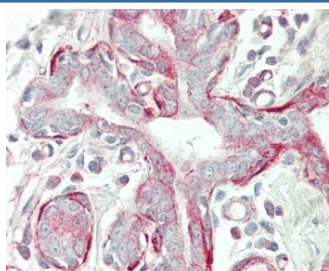
Catalog No.	Formulation	Size
F54657-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54657-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

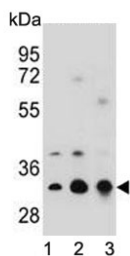
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P67936
Applications	Flow Cytometry : 1:25 (1x10e6 cells) Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25
Limitations	This Tropomyosin 4 antibody is available for research use only.



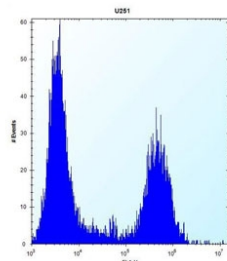
IHC testing of FFPE human skeletal muscle tissue with Tropomyosin 4 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human breast tissue with Tropomyosin 4 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human 1) U-251, 2) A549 and 3) Jurkat cell lysate with Tropomyosin 4 antibody. Predicted molecular weight ~33 kDa.



Flow cytometry testing of human U-251 cells with Tropomyosin 4 antibody; Left=isotype control, Right= Tropomyosin 4 antibody.

Description

The TPM4 gene encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. In muscle cells, they regulate muscle contraction by controlling the binding of myosin heads to the actin filament. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

Application Notes

The stated application concentrations are suggested starting points. Titration of the Tropomyosin 4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 26-54 from the human protein was used as the immunogen for the Tropomyosin 4 antibody.

Storage

Aliquot the Tropomyosin 4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.