TPM1 Antibody

Catalog No: #32189

Package Size: #32189-1 50ul #32189-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

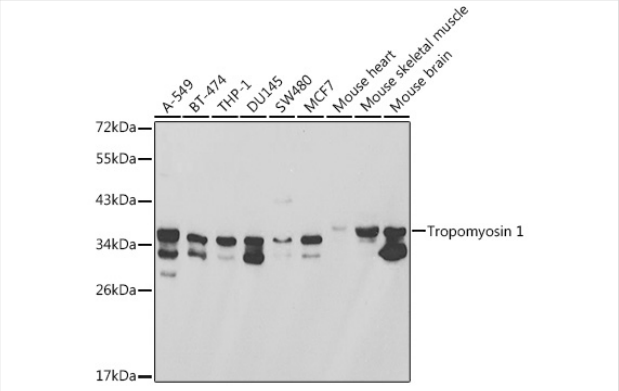
Description

Product Name	TPM1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total TPM1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human Tropomyosin 1 (NP_001018008.1).
Target Name	TPM1
Other Names	TPM1;C15orf13;CMD1Y;CMH3;HEL-S-265;HTM-alpha;LVNC9;TMSA
Accession No.	Uniprot:P09493GeneID:7168
SDS-PAGE MW	36kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

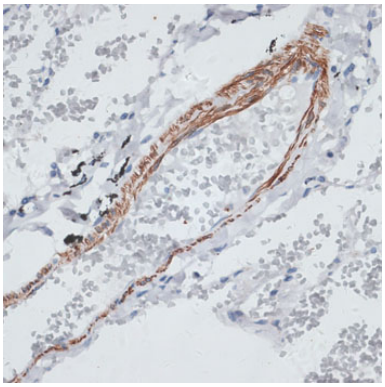
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

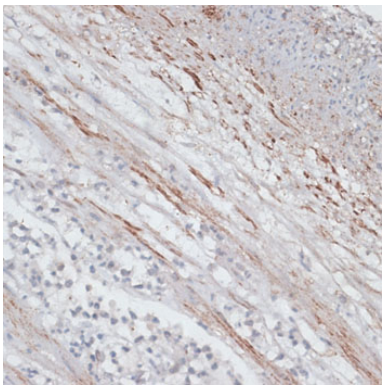
Images



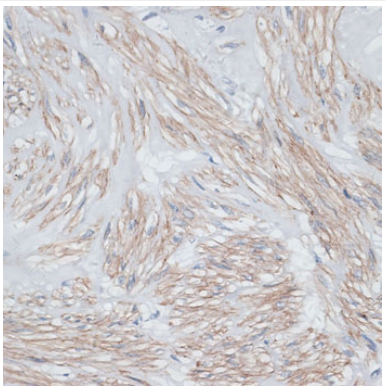
Western blot analysis of extracts of various cell lines, using Tropomyosin 1 antibody.



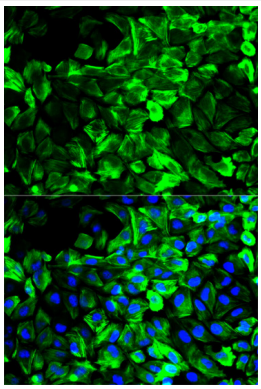
Immunohistochemistry of paraffin-embedded human lung using Tropomyosin 1 antibody.



Immunohistochemistry of paraffin-embedded human appendix using Tropomyosin 1 antibody.



Immunohistochemistry of paraffin-embedded human uterus using Tropomyosin 1 antibody.



Immunofluorescence analysis of HeLa cells using Tropomyosin 1 antibody.

Background

This gene is a member of the tropomyosin family of highly conserved, widely distributed actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosin is composed of two alpha-helical chains arranged as a coiled-coil. It is polymerized end to end along the two grooves of actin filaments and provides stability to the filaments. The encoded protein is one type of alpha helical chain that forms the predominant tropomyosin of striated muscle, where it also functions in association with the troponin complex to regulate the calcium-dependent interaction of actin and myosin during muscle contraction. In smooth muscle and non-muscle cells, alternatively spliced transcript variants encoding a range of isoforms have been described. Mutations in this gene are associated with type 3 familial hypertrophic cardiomyopathy.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.