

## TPM3 Antibody

Catalog No: #32227



Package Size: #32227-1 50ul #32227-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

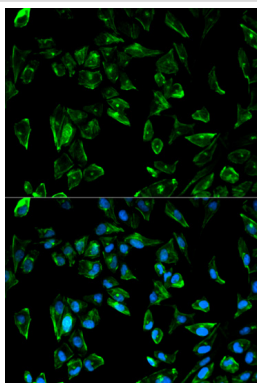
## Description

Product Name	TPM3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total TPM3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human TPM3.
Conjugates	Unconjugated
Target Name	TPM3
Other Names	TPM3; FLJ41118; MGC14582; MGC3261; MGC72094
Accession No.	Swiss-Prot:P06753NCBI Gene ID:7170
SDS-PAGE MW	33KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

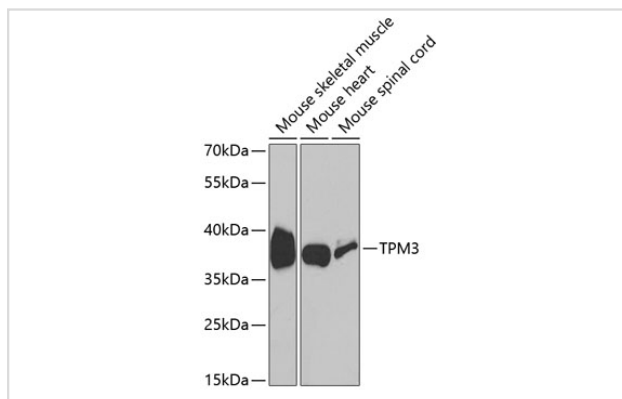
## Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

## Images



Immunofluorescence analysis of HeLa cells using TPM3 antibody. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using TPM3 antibody at 1:1000 dilution.

## Background

This 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. Mutations in this gene result in autosomal dominant nemaline myopathy, and oncogenes formed by chromosomal translocations involving this locus are associated with cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

## Published Papers

el at., Autoantibody against Tumor-Associated Antigens as Diagnostic Biomarkers in Hispanic Patients with Hepatocellular Carcinoma. In Cells on 2022 Oct 14 by Yangcheng Ma, Cuipeng Qiu, et al..PMID:36291095, , (2022)

[PMID:36291095](#)

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