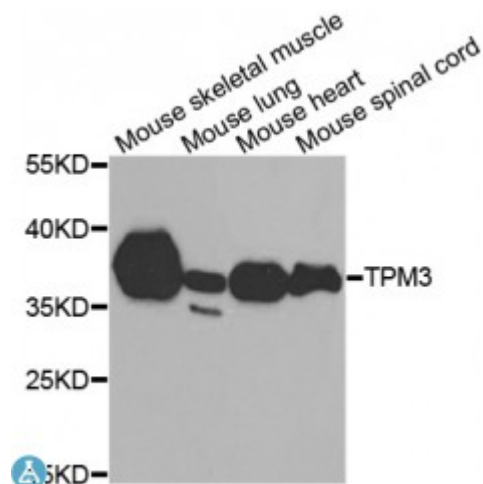


## Anti-TPM3 Antibody



### Description

This gene encodes a member of the tropomyosin family of actin-binding proteins. Tropomyosins are dimers of coiled-coil proteins that provide stability to actin filaments and regulate access of other actin-binding proteins. Mutations in this gene result in autosomal dominant nemaline myopathy and other muscle disorders. This locus is involved in translocations with other loci, including anaplastic lymphoma receptor tyrosine kinase (ALK) and neurotrophic tyrosine kinase receptor type 1 (NTRK1), which result in the formation of fusion proteins that act as oncogenes. There are numerous pseudogenes for this gene on different chromosomes. Alternative splicing results in multiple transcript variants.

<b>Model</b>	STJ115518
<b>Host</b>	Rabbit
<b>Reactivity</b>	Mouse
<b>Applications</b>	IHC, WB
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-284 of human TPM3 (NP_689476.2).
<b>Gene ID</b>	<a href="#">7170</a>
<b>Gene Symbol</b>	<a href="#">TPM3</a>
<b>Dilution range</b>	WB 1:500 - 1:2000 IHC 1:50 - 1:200
<b>Purification</b>	Affinity purification
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Tropomyosin alpha-3 chain Gamma-tropomyosin Tropomyosin-3

	Tropomyosin-5 hTM5
<b>Molecular Weight</b>	32.95 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Storage Instruction</b>	Store at -20C. Avoid freeze / thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:12012</a> <a href="#">OMIM:164970</a> <a href="#">Reactome:R-HSA-390522</a>
<b>Alternative Names</b>	Tropomyosin alpha-3 chain Gamma-tropomyosin Tropomyosin-3 Tropomyosin-5 hTM5
<b>Function</b>	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,
<b>Cellular Localization</b>	Cytoplasm, cytoskeleton

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