

TPM3 Polyclonal Antibody

Catalog Number PA5-29770

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 107 and 248 of Human Tropomyosin 3	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.44 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T. Predicted reactivity: Mouse (100%), Rat (100%), Zebrafish (80%), Dog (89%), Pig (100%), Rhesus Monkey (89%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

TPM3 (tropomyosin 3) is 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.

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Product Images For TPM3 Polyclonal Antibody



TPM3 Antibody (PA5-29770) in IHC (P)
TPM3 Polyclonal Antibody detects Tropomyosin 3 protein at cytosol on mouse muscle by immunohistochemical analysis. Sample: Paraffin-embedded mouse muscle. TPM3 Polyclonal Antibody (Product # PA5-29770) dilution: 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

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