

Product datasheet for **TA308017**

Tropomyosin 2 (TPM2) Rabbit Polyclonal Antibody

Product data:

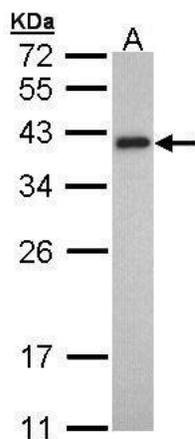
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Mouse, Rat, Bovine, X. tropicalis)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment contain a sequence corresponding to a region within amino acids 1 and 234 of Tropomyosin 2 (Uniprot ID#P07951)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	tropomyosin 2 (beta)
Database Link:	NP_001139294 Entrez Gene 22004 Mouse Entrez Gene 500450 Rat Entrez Gene 7169 Human P07951
Background:	This gene encodes beta-tropomyosin, a member of the actin filament binding protein family, and mainly expressed in slow, type 1 muscle fibers. Mutations in this gene can alter the expression of other sarcomeric tropomyosin proteins, and cause cap disease, nemaline myopathy and distal arthrogyriposis syndromes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Synonyms:	AMCD1; arthrogyriposis multiplex congenital; DA1; DA2B; distal; NEM4; OTTHUMP00000021357; TMSB; tropomyosin 2 (beta); type 1
Note:	Seq homology of immunogen across species: Mouse (86%), Rat (99%), Bovine (92%), Xenopus tropicalis (85%)



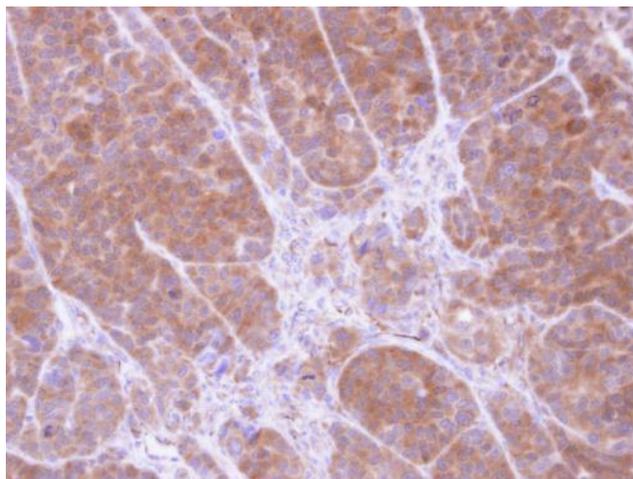
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Protein Pathways: Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)

Product images:



Sample (30 ug of whole cell lysate). A: HeLa. 10% SDS PAGE. TA308017 diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded SW480 xenograft, using Tropomyosin 2 (TA308017) antibody at 1:100 dilution.