



Anti-TPM3 (full length) polyclonal antibody (DPAB-DC3099)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.

Immunogen

TPM3 (AAH15403, 1 a.a. ~ 248 a.a) full-length recombinant protein with GST tag. The sequence is
 MAGITTIEAVKRKIQVLQQQQADDAEERAERLQREVEGERRAREQAEAEVASLNRIQLVE
 EELDRAQERLATALQKLEEAKAADESERGMKVIENRALKDEEKMELQEQLKEAKHIAE
 EADRKYEEVARKLVIIEGDLERTEERAELAESRCREMDEQIRLMQNLKRLSAAEEKYSQ
 KEDKYEGEIKILDKLKEAETRAEFAERSVAKLEKTIDDLEDKLKCTKEEHLCTQRMLDQ
 TLDDLNE

Source/Host

Mouse

Species Reactivity

Human, Mouse, Rat

Conjugate

Unconjugated

Applications

WB (Cell lysate), WB (Cell lysate), WB (Cell lysate), WB (Recombinant protein), ELISA,

Size

50 µl

Buffer

50 % glycerol

Preservative

None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TPM3 tropomyosin 3 [Homo sapiens (human)]
Official Symbol	TPM3
Synonyms	TPM3; tropomyosin 3; TM3; TM5; TRK; CFTD; NEM1; TM-5; TM30; CAPM1; TM30nm; TPMsk3; hscp30; HEL-189; HEL-S-82p; OK/SW-cl.5; tropomyosin alpha-3 chain; tropomyosin-5; tropomyosin gamma; cytoskeletal tropomyosin TM30; epididymis luminal protein 189; alpha-tropomyosin, slow skeletal; heat-stable cytoskeletal protein 30 kDa; epididymis secretory sperm binding protein Li 82p;
Entrez Gene ID	7170
Protein Refseq	NP_001036816
UniProt ID	P06753
Chromosome Location	1q21.2
Pathway	Adrenergic signaling in cardiomyocytes; Dilated cardiomyopathy; Muscle contraction; Smooth Muscle Contraction
Function	actin binding; molecular_function;