Datasheet for ABIN5515225

anti-Tropomyosin 4 antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	Tropomyosin 4 (TPM4)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tropomyosin 4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human TPM4
Sequence:	TNNLKSLEAA SEKYSEKEDK YEEEIKLLSD KLKEAETRAE FAERTVAKLE
Characteristics:	This is a rabbit polyclonal antibody against TPM4. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Tropomyosin 4 (TPM4)
Alternative Name:	TPM4 (TPM4 Products)
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

Target Details

	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. Multiple transcript variants encoding different isoforms have been found for this gene. Alias Symbols: TPM4, Protein Interaction Partner: UBC, TPM1, TP53, LNX1, MDM2, FASN, KIAA1598, SIRT1, CAP1, PARK2, UBD, HDAC8, PAN2, ATF2, TPM3P4, SRXN1, PRKCDBP, TXN2, CORO1C, DCTN2, G3BP1, TELO2, ZYX, TPM3, TPM2, SULT1A1, SNRNP70, SRSF2, PSMD2, PSMD1, PSMC2, PSMA6, PCMT1, MYH9, ILF3, ILF2, HNRNPK, DBN1 Protein Size: 284
Gene ID:	7171

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.