

Tropomyosin alpha 1 Chain Rabbit mAb

Catalog # AP77090

Product Information

Application	WB, IHC-P, IF, FC, ICC, IP
Primary Accession	P09493
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Tropomyosin 1
Purification	Affinity Chromatography
Calculated MW	32709

Additional Information

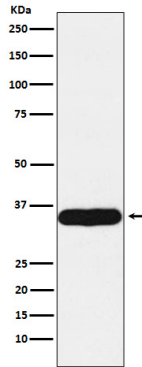
Gene ID	7168
Other Names	TPM1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	TPM1
Synonyms	C15orf13, TMSA
Function	Binds to actin filaments in muscle and non-muscle cells (PubMed: 23170982). Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction (PubMed: 23170982). Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:P04692}. Note=Associates with F-actin stress fibers. {ECO:0000250 UniProtKB:P04692}
Tissue Location	Detected in primary breast cancer tissues but undetectable in normal breast

tissues in Sudanese patients. Isoform 1 is expressed in adult and fetal skeletal muscle and cardiac tissues, with higher expression levels in the cardiac tissues. Isoform 10 is expressed in adult and fetal cardiac tissues, but not in skeletal muscle. {ECO:0000269 | PubMed:15249230, ECO:0000269 | Ref.15}

Images



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