

Anti-Tropomyosin 1 Rabbit Monoclonal Antibody

Catalog # ABO15410

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P09493
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Tropomyosin 1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

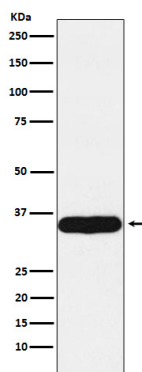
Gene ID	7168
Other Names	Tropomyosin alpha-1 chain, Alpha-tropomyosin, Tropomyosin-1, TPM1, C15orf13, TMSA
Calculated MW	32709
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 19T86
Immunogen	A synthesized peptide derived from human Tropomyosin 1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated 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



Western blot analysis of Tropomyosin 1 expression in Human heart lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.