

Product datasheet for **TA365359**

TPM4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse brain tissue IHC: 10-50 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human TPM4
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	29 kDa
Gene Name:	tropomyosin 4
Database Link:	Entrez Gene 7171 Human P67936



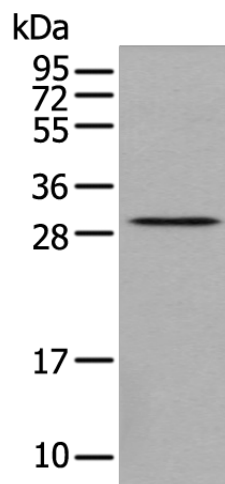
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Background:

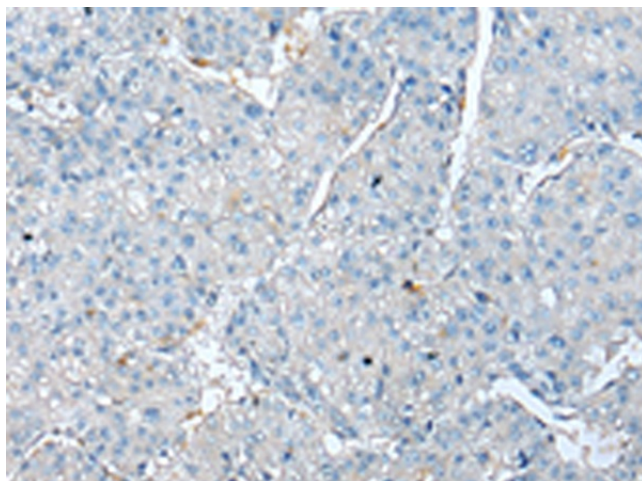
This gene encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. 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.

Synonyms:

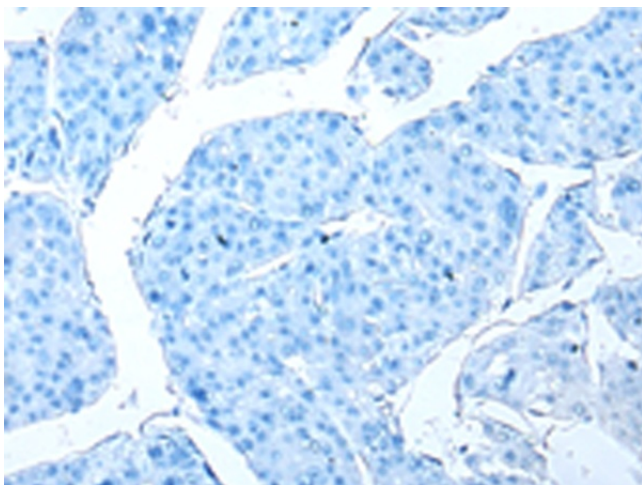
TM30p1; Tropomyosin-4

Product images:

Gel: 12%SDS-PAGE
Lysate: 40 μ g
Lane: Mouse brain tissue
Primary antibody: TA365359 (TPM4 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA365359 (TPM4 Antibody) at dilution 1/25 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA365359 (TPM4 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)