

For Research Use Only

TMOD4 Polyclonal antibody

Catalog Number: 11753-1-AP **7 Publications**



Basic Information

Catalog Number: 11753-1-AP	GenBank Accession Number: BC017810	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 29765	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: tropomodulin 4 (muscle)	Calculated MW: 345 aa, 39 kDa
Isotype: IgG	Observed MW: 39 kDa	Immunogen Catalog Number: AG2349

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse skeletal muscle tissue, HeLa cells, human brain tissue IP : mouse skeletal muscle tissue, IHC : human gliomas tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: rat, mouse, Branchiostoma belcheri, zebrafish, Xenopus	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TMOD4 is a member of tropomodulin (Tmod) family proteins which are capping proteins binding to the pointed end of actin filaments and preventing both elongation and depolymerization. Four mammalian Tmod genes have been identified to date. Tomd1 is expressed in terminally-differentiated post-mitotic cells, like heart, brain, lens, vasculature, and erythrocytes; Tmod2 expressed in neurons; Tmod3 expressed ubiquitously; Tmod4 expressed only in skeletal muscles. This antibody was raised against the full-length human TMOD4 and may cross-react with other Tmods.

Notable Publications

Author	Pubmed ID	Journal	Application
Joachim Berger	25288681	Dis Model Mech	IF
Chinedu U Nworu	25431137	J Cell Sci	WB, IF
Ambjorn Brynne	30565562	Elife	WB

Storage

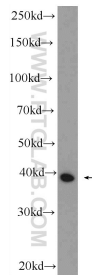
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

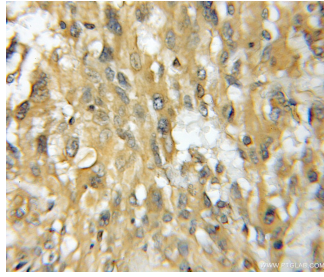
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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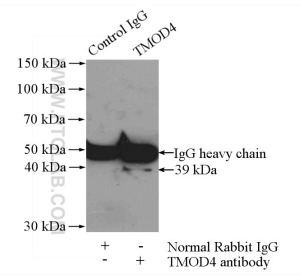
Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 11753-1-AP (TMOD4 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11753-1-AP (TMOD4 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-TMOD4 (IP:11753-1-AP, 4ug; Detection:11753-1-AP 1:600) with mouse skeletal muscle tissue lysate 3600ug.