

Rabbit TMOD1 Polyclonal Antibody | anti-TMOD1 antibody

TMOD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323157	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

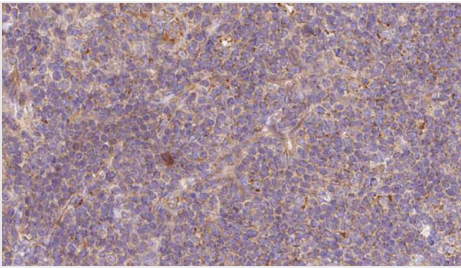
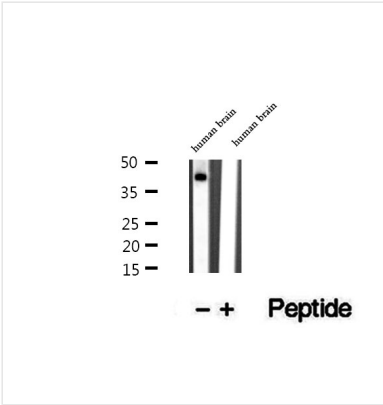
PRODUCT SYNONYMS

TMOD1; Polyclonal Antibody; TMOD1 Antibody; D9S57E; E Tmod; E tropomodulin; E-Tmod; Erythrocyte tropomodulin; ETMOD; MGC124125; MGC124126; OTTHUMP00000021743; TMOD; Tmod1; TMOD1 protein; TMOD1_HUMAN; Tropomodulin 1; Tropomodulin-1; anti-TMOD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TMOD1 antibody detects endogenous levels of TMOD1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	359
Applicable Applications for anti-TMOD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TMOD1.
Subcellular Location	Cytoplasm > Cytoskeleton.
Tissue Specificity	Highly expressed in the erythrocyte, heart and skeletal muscle.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323157 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of human brain tissue, using TMOD1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TMOD1 antibody

Function: Blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton. May play an important role in regulating the organization of actin filaments by preferentially binding to a specific tropomyosin isoform at its N-terminus.
Subunit Structure: Binds to the N-terminus of isoforms 2/3 of TPM3 and to actin.
Similarity: Belongs to the tropomodulin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	260763922
NCBI GeneID	7111
NCBI Accession #	NP_001159588.1
NCBI GenBank Nucleotide #	NM_001166116.1
UniProt Accession #	P28289; Q5T7W3; Q9BUF1; B2RB77
Molecular Weight	Observed: 41 kDa Predicted: 41 kDa
NCBI Official Full Name	tropomodulin-1
NCBI Official Synonym Full Names	tropomodulin 1
NCBI Official Symbol	TMOD1
NCBI Official Synonym Symbols	TMOD; ETMOD; D9S57E
NCBI Protein Information	tropomodulin-1
UniProt Protein Name	Tropomodulin-1
UniProt Gene Name	TMOD1
UniProt Synonym Gene Names	D9S57E; TMOD; E-Tmod

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.