

Rabbit anti-Human, Rat TMOD2 Polyclonal Antibody | anti-TMOD2 antibody

TMOD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327449	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

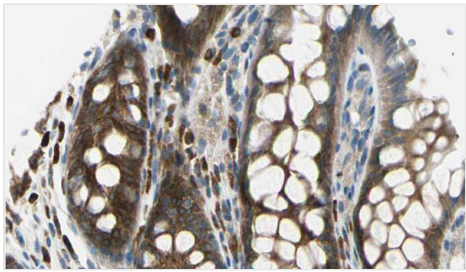
PRODUCT SYNONYMS

TMOD2; Polyclonal Antibody; TMOD2 Antibody; Tropomodulin 2; MGC39481; N Tmod; Neuronal tropomodulin; NTMOD; tropomodulin 2 (neuronal); tropomodulin 2 neuronal; anti-TMOD2 antibody

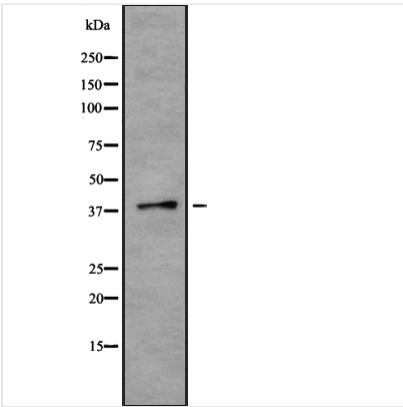
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TMOD2 antibody detects endogenous levels of total TMOD2
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	315
Applicable Applications for anti-TMOD2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TMOD2
Subcellular Location	Cytoskeleton
Tissue Specificity	Neuronal-tissue specific.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327449 at 1/100 staining Rat colon 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 TMOD2 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-TMOD2 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 (By similarity). Subunit Structure: Binds to the N-terminus of tropomyosin and to actin. Similarity: Belongs to the tropomodulin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218931148
NCBI GeneID	29767
NCBI Accession #	NP_001136357.1
NCBI GenBank Nucleotide #	NM_001142885.1
UniProt Accession #	Q9NZR1; B4DEW6
Molecular Weight	Observed: 40 kDa Predicted: 40 kDa
NCBI Official Full Name	tropomodulin-2 isoform b
NCBI Official Synonym Full Names	tropomodulin 2
NCBI Official Symbol	TMOD2
NCBI Official Synonym Symbols	NTMOD; N-TMOD
NCBI Protein Information	tropomodulin-2
UniProt Protein Name	Tropomodulin-2
UniProt Gene Name	TMOD2
UniProt Synonym Gene Names	NTMOD; N-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.