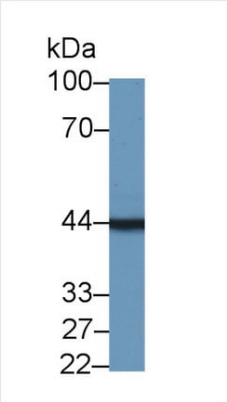
Tropomodulin 3 (TMOD3) Antibody – Rabbit Polyclonal

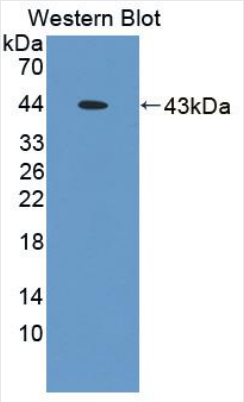
PRODUCT OVERVIEW

Product Name	Tropomodulin 3 (TMOD3), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Tropomodulin 3 (TMOD3)
Product Gene Name	anti-TMOD3 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Human, Rat
Form/Format	Liquid
Purity/Purification	Affinity Chromatography
Concentration	0.51mg/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against TMOD3. It has beenselected for its ability to recognize TMOD3 in immunohistochemical staining andwestern blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Matching Pairs	Unconjugated Antibody: TMOD3 (MBS2026390) Immunogen: TMOD3 (MBS2031525)
Matching Pairs	Unconjugated Antibody: TMOD3 (MBS2026390) APC-CY7 Conjugated Antibody: TMOD3 (MBS2078529)
Matching Pairs	Unconjugated Antibody: TMOD3 (MBS2026390) PE Conjugated Antibody: TMOD3 (MBS2078530)
Matching Pairs	Unconjugated Antibody: TMOD3 (MBS2026390) APC Conjugated Antibody: TMOD3 (MBS2078531)
Matching Pairs	Unconjugated Antibody: TMOD3 (MBS2026390) Cy3 Conjugated Antibody: TMOD3 (MBS2078532)
Matching Pairs	Unconjugated Antibody: TMOD3 (MBS2026390) FITC Conjugated Antibody: TMOD3 (MBS2078533)
Matching Pairs	Unconjugated Antibody: TMOD3 (MBS2026390) HRP Conjugated Antibody: TMOD3 (MBS2078534)
Matching Pairs	Unconjugated Antibody: Tropomodulin 3 (MBS2026390) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Tropomodulin 3 (MBS2026390) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: TMOD3 (MBS2026390) Biotin Conjugated Antibody: TMOD3 (MBS2096249)
Molecular Weight	39,503 Da
3D Structure	ModBase 3D Structure for Q9JHJ0
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

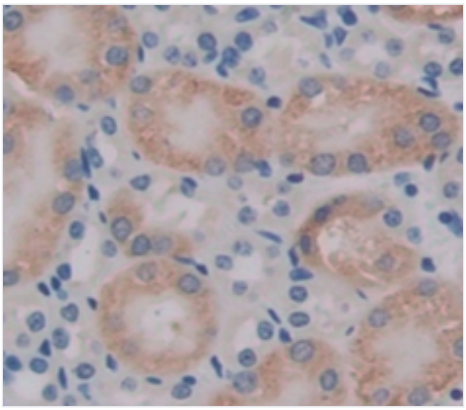
Fragment	TMOD3 (Met1~Gln352)
Organism Species	Mus musculus (Mouse)
Cross Reactivity	Mouse
Conjugate	No Conjugate
Immunogen	Recombinant TMOD3 (Met1~Gln352) expressed in E Coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as catalog #MBS2078531
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-TMOD3 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (EIA)
Application Notes for anti-TMOD3 antibody	Western blotting: 0.2-2ug/mL;1:250-2500 Immunohistochemistry: 5-20ug/mL;1:25-100 Immunocytochemistry: 5-20ug/mL;1:25-100 Optimal working dilutions must be determined by end user.
Related Product Information for anti-TMOD3 antibody	MBS2026390 is an antibody targeting TMOD3. Also known as Polyclonal Antibody to Tropomodulin 3 (TMOD3). Reactive in Mouse, Human, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-TMOD3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TMOD3 antibody
Western Blot: Sample: Mouse Pancreas lysate; Primary Ab: 1ug/ml Rabbit Anti-Mouse TMOD3 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



Western Blot (WB) of anti-TMOD3 antibody
Western Blot: Sample: Recombinant protein.



Immunohistochemistry (IHC) of anti-TMOD3 antibody
DAB staining on fromalin fixed paraffin- embedded kidney tissue)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TMOD3. It may not necessarily be applicable to this product.

NCBI GI #	8394460
NCBI GeneID	50875
NCBI Accession #	NP_058659.1
UniProt Primary Accession #	Q9JHJ0
UniProt Secondary Accession #	Q3TIT1
UniProt Related Accession #	Q9JHJ0
GenBank Nucleotide #	NM_016963.2
NCBI Official Full Name	tropomodulin-3 isoform 1
NCBI Official Synonym Full Names	tropomodulin 3
NCBI Official Symbol	Tmod3
NCBI Official Synonym Symbols	UTMOD; U-Tmod
UniProt Protein Name	Tropomodulin-3
UniProt Synonym Protein Names	Ubiquitous tropomodulin; U-Tmod
Protein Family	Tropomodulin
UniProt Gene Name	Tmod3
UniProt Synonym Gene Names	U-Tmod
NCBI Protein Information	tropomodulin-3
UniProt Comments for TMOD3	TMOD3: 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. Belongs to the tropomodulin family. Protein type: Cytoskeletal; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 9 D|9 42.3 cM Cellular Component: cell-cell adherens junction; cytoplasm; cytoskeleton; filamentous actin; lamellipodium; ruffle; striated muscle thin filament Molecular Function: actin binding; cadherin binding involved in cell-cell adhesion; microtubule minus-end binding; tropomyosin binding Biological Process: actin cytoskeleton organization; actin filament organization; erythrocyte development; muscle contraction; myofibril assembly; negative regulation of cell motility; pointed-end actin filament capping; positive regulation of mitotic cell cycle phase transition
Research Articles on TMOD3	**1.** Tmod3 is a novel Akt2 effector that mediates insulin-induced cortical actin remodelling and subsequent GLUT4 membrane insertion
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