

Rabbit TGM2 Polyclonal Antibody | anti-TGM2 antibody

TGM2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199812	Rabbit	Tested Species Reactivity: Human, Mouse Predicted Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit	Western Blot

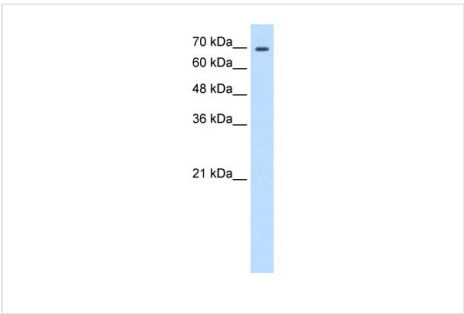
PRODUCT SYNONYMS

TGM2; Polyclonal Antibody; TGM2 antibody - N-terminal region; anti-TGM2 antibody

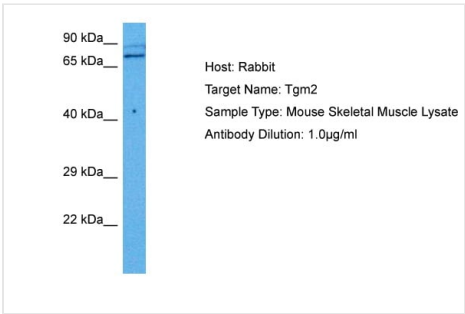
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human, Mouse Predicted Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5mg/mL (varies by lot)
Sequence	Synthetic peptide with the following region: MA EELVLERCDL ELETNGRDHH TADLCREKLV VRRGQPFWLT LHFEGRNY
Sequence Length	687
Applicable Applications for anti-TGM2 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 86%; Guinea Pig: 79%; Horse: 86%; Human: 100%; Mouse: 79%; Pig: 93%; Rabbit: 93%; Rat: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human TGM2
Protein Size (#AA)	687 amino acids
Protein Interactions	UBC; SUMO1; NEDD8; YWHAG; UBE2V1; RPS6KA3; PGD; PAK2; LDHB; G6PD; ECHS1; CSE1L; CKB; ZFYVE19; TXNDC5; SMEK2; UBFD1; CNDP2; YWHAQ; NPEPPS; SLC9A3R1; YWHAZ; FBXO6; ADAR; ABCA1; A2M; VHL; TGM2; SMAD3; SMAD2; HSPA8; HSPA1B; HSPA1A; HP; HNRNPF; GRN; GCGR; FNTA
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

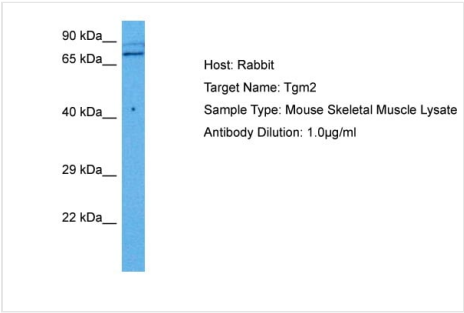
IMAGES



WB (Western Blot)
WB Suggested Anti-TGM2 Antibody Titration: 0.2-1 ug/mlPositive Control: HepG2 cell lysate



WB (Western Blot)
Host: RabbitTarget Name: TGM2Sample Tissue: Mouse Skeletal MuscleAntibody Dilution: 1ug/ml



WB (Western Blot)
Host: MouseTarget Name: TGM2Sample Tissue: Mouse Skeletal MuscleAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-TGM2 antibody	This is a rabbit polyclonal antibody against TGM2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. TGM2 acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, TGM2 is the autoantigen implicated in celiac disease. Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-TGM2 antibody	Polyclonal; Cell Adhesion; Drugs and Drug Metabolism; Apoptosis; Disease Related; GPCR

NCBI AND UNIPROT INFORMATION

NCBI GI #	39777597
NCBI GeneID	7052
NCBI Accession #	NP_004604
NCBI GenBank Nucleotide #	NM_004613
UniProt Accession #	P21980
Molecular Weight	77kDa

NCBI Official Full Name	protein-glutamine gamma-glutamyltransferase 2 isoform a
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase 2
UniProt Gene Name	TGM2
UniProt Synonym Gene Names	TG(C); TGC; TGase C; TGase H; TGase-2
UniProt Entry Name	TGM2_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tgm2-antibody-western-blot-elisa/199812>