

Mouse TGM2 Monoclonal Antibody | anti-TGM2 antibody

TGM2 Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA330076	Mouse	Human, Mouse Prediction: Pig, Bovine, Horse, Sheep, Rabbit, Dog	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TGM2; Monoclonal Antibody; TGM2 Mouse Monoclonal Antibody; ALPHA SUBUNIT; C polypeptide; EC 2.3.2.13; epididymis secretory protein Li 45; G alpha h; G[α]h; Gh CLASS G ALPHA h; GNAH; GNAH G PROTEIN; H POLYPEPTIDE; HEL-S-45; Protein glutamine gamma glutamyltransferase 2; Protein-glutamine gamma-glutamyltransferase 2; TG 2; TG(C); TG2; TGase C; TGase H; TGase-2; Tgasell; TGC; TGC GUANINE NUCLEOTIDE BINDING PROTEIN; TGM2_HUMAN; Tissue transglutaminase; Transglutaminase 2; Transglutaminase 2 C polypeptide; Transglutaminase C; Transglutaminase H; Transglutaminase-2; tTG; tTGas; anti-TGM2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse Prediction: Pig, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Monoclonal
Isotype	Mouse IgG1
Specificity	TGM2 Antibody detects endogenous levels of total TGM2.
Purity/Purification	Affinity-chromatography.
Form/Format	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence	MAEELVLERC DLELETNGRD HHTADLCREK LVVRRGQPFW LTLHFEGRNY EASVDSLTF S VVTGPAPSQE AGTKARFPLR DAVEEGDWT A TVVDQQDCTL SLQLTTPANA PIGLYRLSLE ASTGYQGSS F VLGHFILLFN AWCPADAVYL DSEEEERQEYV LTQQGFIYQG SAKFIKNIPW NFGQFEDGIL DICLILLDVN PKFLKNAGR D CSRRSSPVYV GRVVSGMVNC NDDQGVLLGR WDNNYGDGVS PMSWIGSVDI LRRWKNHGCQ RVKYGQCWVF AAVACTVLRC LGIPTRVVTN YNSAHDQNSN LLIEYFRNEF GEIQGDKSEM IWNFHCWVES WMTRPDLQPG YEGWQALDPT PQEKSEGTYC CGPVPVRAIK EGDLSKYDA PFVFAEVNAD VVDWIQQDDG SVHKSINRSL IVGLKISTKS VGRDEREDIT HTYKYPEGSS EEREAFTRAN HLNKLAKEKEE TGMAMRIRVG QSMNMGSDFD VFAHITNNTA EEYVCRLLLC ARTVSYNGIL GPECGTKYLL NLNLEPFSEK SVPLCILEYK YRDCLTESNL IKVRALLVEP VINSYLLAER DLYLENPEIK IRILGEPKQK RKLVAEVS LQ NPLPVALEGC TFTVEGAGLT EEQKTVEIPD PVEAGEEVKV RMDLLPLHMG LHKLVVNFES DKLKAVKGFR NVII GPA
Applicable Applications for anti-TGM2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TGM2, corresponding to a region within N-terminal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA330076 at 1/100 staining human prostate cancer 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



WB (Western Blot)
Western Blot analysis of extracts from various samples, using TGM2 Mouse Monoclonal Antibody. Lane 1: Hela cells treated with blocking-peptides, Lane 2: Hela cells, Lane 3: B16F10-LUC cells, Lane 4: rat liver tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-TGM2 antibody	TGM2 an enzyme of the transglutaminase family that catalyzes the crosslinking of proteins and the conjugation of polyamines to proteins. 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.. Is the autoantigen in coeliac disease and plays a role in apoptosis, cellular differentiation and matrix stabilisation.
Product Categories/Family for anti-TGM2 antibody	Primary antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	7052
UniProt Accession #	P21980
Molecular Weight	77kD; 77kD(Calculated)

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/tgm2-antibody-immunohistochemistry-western-blot-elisa/330076>