

Rabbit anti-Human, Rat Transglutaminase 2 Polyclonal Antibody | anti-TGM2 antibody

Anti-Transglutaminase 2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45434	Rabbit	Human, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

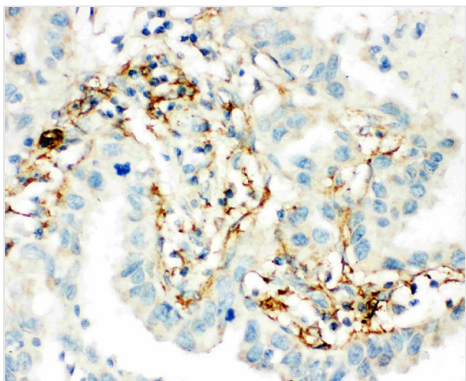
PRODUCT SYNONYMS

Transglutaminase 2; Polyclonal Antibody; Anti-Transglutaminase 2 antibody; Protein-glutamine gamma-glutamyltransferase 2; transglutaminase 2; ALPHA SUBUNIT antibody; C polypeptide antibody; EC 2.3.2.13 antibody; G alpha h antibody; G protein alpha subunit Gh class antibody; G[a]h antibody; Gh CLASS G ALPHA h antibody; GNAH antibody; GNAH G PROTEIN antibody; Guanine nucleotide binding protein H polypeptide antibody; H POLYPEPTIDE antibody; Protein glutamine gamma glutamyltransferase 2 antibody; Protein glutamine gamma glutamyltransferase antibody; Protein-glutamine gamma-glutamyltransferase 2 antibody; TG 2 antibody; TG(C) antibody; TG2 antibody; TGase C antibody; TGase H antibody; TGase-2 antibody; Tgasell antibody; TGC antibody; TGC GUANINE NUCLEOTIDE BINDING PROTEIN antibody; TGM 2 antibody; TGM2 antibody; TGM2_HUMAN antibody; Tissue transglutaminase antibody; Tissue type transglutaminase antibody; Transglutaminase 2 antibody; Transglutaminase 2 C polypeptide antibody; Transglutaminase C antibody; Transglutaminase H antibody; Transglutaminase-2 antibody; tTG antibody; tTGase antibody; anti-TGM2 antibody

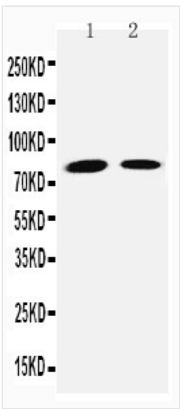
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	687
Applicable Applications for anti-TGM2 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Transglutaminase 2 (399-418aa ADVVDWIQQDDGSGVHKSINR), different from the related mouse sequence by three amino acids, and from the related rat sequence by four amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-TGM2 antibody, AAA45434, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)
Anti-TGM2 antibody, AAA45434, Western blottingLane 1: JURKAT Cell LysateLane 2: HELA Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TGM2 antibody

Description: Rabbit IgG polyclonal antibody for Protein-glutamine gamma-glutamyltransferase 2(TGM2) detection. Tested with WB, IHC-P, ICC in Human, Rat.

Background: Tissue transglutaminase, also called TGC, is a 78-kDa, calcium dependent enzyme of the protein-glutamine gamma-glutamyltransferases family. By fluorescence in situ hybridization(FISH), this gene is mapped in 20q11.23. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20141877
NCBI GeneID	7052
UniProt Accession #	P21980; Q16436; Q6B838; Q9BTN7; Q9UJH3; E1P5V9
Molecular Weight	38,671 Da
NCBI Official Full Name	Protein-glutamine gamma-glutamyltransferase 2
NCBI Official Synonym Full Names	transglutaminase 2
NCBI Official Symbol	TGM2
NCBI Official Synonym Symbols	TG2; TGC; GNAH; HEL-S-45; G-ALPHA-h
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 2; TG(C); TGase C; TGase H; TGase-2; TGase-H; transglutaminase C; transglutaminase H; transglutaminase-2; tissue transglutaminase; epididymis secretory protein Li 45; protein-glutamine-gamma-glutamyltransferase; C polypeptide, protein-glutamine-gamma-glutamyltransferase
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.

