

Rabbit anti-Human, Mouse Transglutaminase 2 Monoclonal Antibody | anti-TGM2 antibody

Transglutaminase 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312573	Rabbit	Human, Mouse	Immunoprecipitation, Immunohistochemistry, Western Blot

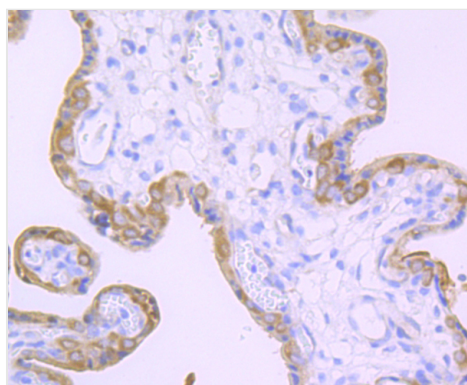
PRODUCT SYNONYMS

Transglutaminase 2; Monoclonal Antibody; Transglutaminase 2 Antibody; ALPHA SUBUNIT antibody; C polypeptide antibody; EC 2.3.2.13 antibody; epididymis secretory protein Li 45 antibody; G alpha h antibody; G[a]h antibody; Gh CLASS G ALPHA h antibody; GNAH antibody; GNAH G PROTEIN antibody; H POLYPEPTIDE antibody; HEL-S-45 antibody; Protein glutamine gamma glutamyltransferase 2 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; TGM2 antibody; TGM2_HUMAN antibody; Tissue 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

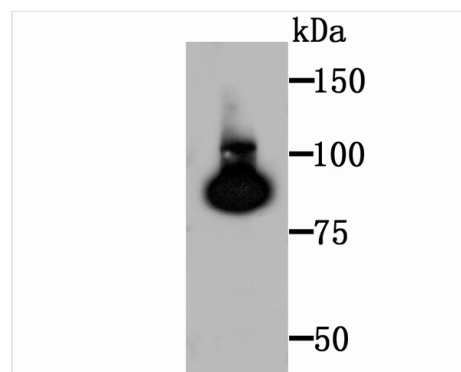
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	JU30-02
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TGM2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

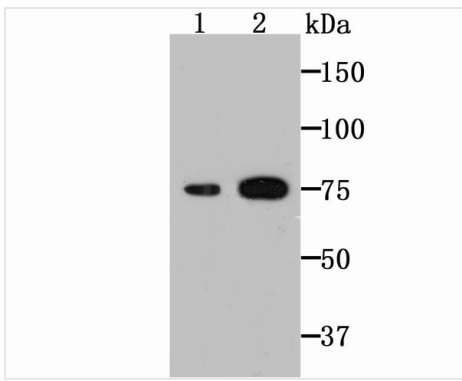
IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-Transglutaminase 2 antibody. Counter stained with hematoxylin.


WB (Western Blot)

Western blot analysis of Transglutaminase 2 on HUVEC cell lysates using anti-Transglutaminase 2 antibody at 1/500 dilution.



WB (Western Blot)

Western blot analysis of Transglutaminase 2 on mouse placenta (1) and lung tissue lysates using anti-Transglutaminase 2 antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-TGM2 antibody	Terminally differentiating mammalian epidermal cells acquire an insoluble, 10 to 20 nm thick protein deposit on the intracellular surface of the plasma membrane known as the cross-linked cell envelope (CE). The CE is a component of the epidermis that is generated through formation of disulfide bonds and g-glutamyl-lysine isodipeptide bonds, which are formed by the action of transglutaminases (TGases). TGases are intercellularly localizing, Ca ²⁺ -dependent enzymes that catalyze the formation of isopeptide bonds by transferring an amine on to glutamyl residues, thereby cross-linking glutamine residues and lysine residues in substrate proteins. TGases influence numerous biological processes, including blood coagulation, epidermal differentiation, seminal fluid coagulation, fertilization, cell differentiation and apoptosis. Human keratinocyte transglutaminase (TGase1) is a membrane associated, 817 amino acid protein. Human tissue transglutaminase (TGase2) is an endothelial cell specific, 687 amino acid protein.
Product Categories/Family for anti-TGM2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	39777597
NCBI GeneID	7052
NCBI Accession #	NP_004604.2
NCBI GenBank Nucleotide #	NM_004613.2
UniProt Accession #	P21980; Q16436; Q6B838; Q9BTN7; Q9UHQ3; E1P5V9
Molecular Weight	77,329 Da
NCBI Official Full Name	protein-glutamine gamma-glutamyltransferase 2 isoform a
NCBI Official Synonym Full Names	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)
NCBI Official Symbol	TGM2
NCBI Official Synonym Symbols	TG2; TGC; GNAH; G-ALPHA-h
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 2; TG(C); TGase C; TGase H; TGase-2; TGase-H; C polypeptide; transglutaminase C; transglutaminase H; transglutaminase-2; tissue transglutaminase; 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/transglutaminase-2-antibody-clone-ju30-02-immunoprecipitation-immunohistochemistry-western-blot-elisa/312573>