

Rabbit TGM5 Polyclonal Antibody | anti-TGM5 antibody

TGM5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39701	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

TGM5; Polyclonal Antibody; TGM5 Antibody; TGX; TGM6; TGMX; TGASE5; TGASEX; Protein-glutamine gamma-glutamyltransferase 5; Transglutaminase X; transglutaminase 5; anti-TGM5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TGM5 antibody is predicted to not cross-react with other TGase protein family members. Multiple isoforms of TGM5 are known to exist.
Purity/Purification	TGM5 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	720
Applicable Applications for anti-TGM5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TGM5 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human TGM5.
Buffer	TGM5 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TGM5 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of TGM5 in mouse heart tissue with TGM5 antibody at 20 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of TGM5 in mouse heart tissue with TGM5 antibody at 2.5 μg/mL.



WB (Western Blot)

Western blot analysis of TGM5 in rat heart tissue lysate with TGM5 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TGM5 antibody	TGM5 Antibody: Transglutaminases (TGM) are a family of structurally and functionally related Ca ²⁺ -dependent enzymes (TGases) that stabilize protein assemblies through the formation of gamma-glutamyl-epsilon lysine crosslinks. TGases influence numerous biological processes, including blood coagulation, cell differentiation, fertilization and apoptosis. TGM5 belongs to the transglutaminase superfamily and catalyzes the cross-linking of proteins between glutamine and lysine residues, often resulting in stabilization of protein assemblies. TGM5 is also expressed in the human hair follicle. Defects in TGM5 are associated with acral peeling skin syndrome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94981556
NCBI GeneID	9333
NCBI Accession #	NP_963925
NCBI GenBank Nucleotide #	NM_201631.3
UniProt Accession #	O43548; O43549; Q0VF40; Q9UEZ4
Molecular Weight	71,919 Da
NCBI Official Full Name	protein-glutamine gamma-glutamyltransferase 5 isoform 1
NCBI Official Synonym Full Names	transglutaminase 5
NCBI Official Symbol	TGM5
NCBI Official Synonym Symbols	TGX; PSS2; TGM6; TGMX; TGASE5; TGASEX
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 5; TG(X); TGase X; TGase-5; transglutaminase V; transglutaminase X; transglutaminase-5
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase 5
UniProt Gene Name	TGM5
UniProt Synonym Gene Names	TGMX; TG(X); TGX; TGase X; TGase-5
UniProt Entry Name	TGM5_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/polyclonal/tgm5-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39701>