

Rabbit anti-Human TGM3 Polyclonal Antibody | anti-TGM3 antibody

TGM3 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283201	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

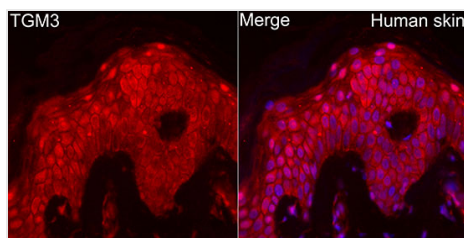
PRODUCT SYNONYMS

TGM3; Polyclonal Antibody; TGM3 Rabbit pAb; TGE; UHS2; transglutaminase 3; anti-TGM3 antibody

PRODUCT SPECIFICATIONS

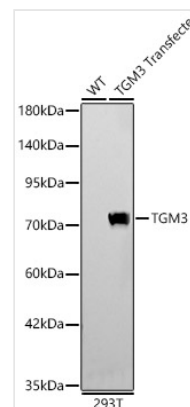
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	SRVITNFNSA HDTDRNLSVD VYYDPMGNPL DKGSDSVWNF HVWNEGWFVR SDLGPSYGGW QVLDATPQER SQGVFQCGPA SVIGVREGDV QLNFDMPFIF AEVNADRTW LYDNTTGKQW KNSVNSHTIG RYISTKAVGS NARMDVTDKY KYPEGSDQER QVFQKALGKL KPNTPFAATS SMGLETEEQE
Applicable Applications for anti-TGM3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 291-480 of human TGM3 (NP_003236.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of human skin cells using TGM3 Rabbit pAb (AAA283201) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and 293T cells transfected with TGM3 using TGM3 Rabbit pAb (AAA283201) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates / proteins: 25 ug per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-TGM3 antibody	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 consists of two polypeptide chains activated from a single precursor protein by proteolysis. The encoded protein is involved the later stages of cell envelope formation in the epidermis and hair follicle.
Product Categories/Family for anti-TGM3 antibody	Epigenetics & Nuclear Signaling; Cancer; Signal Transduction; Endocrine & Metabolism; Amino acid metabolism; Neuroscience; Calcium Signaling; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458821
NCBI GeneID	7053
NCBI Accession #	NP_003236.3
NCBI GenBank Nucleotide #	NM_003245.3
UniProt Accession #	Q08188; O95933; Q32ML9; Q32MM0; A8K5N6; B2RCR6; D3DVX1
Molecular Weight	Calculated MW: 76kDa Observed MW: 70kDa
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase E
UniProt Gene Name	TGM3
UniProt Synonym Gene Names	TG(E); TGE; TGase E; TGase-3

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/tgm3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283201>