

Rabbit anti-Human TGM4 Polyclonal Antibody | anti-TGM4 antibody

TGM4 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289165	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

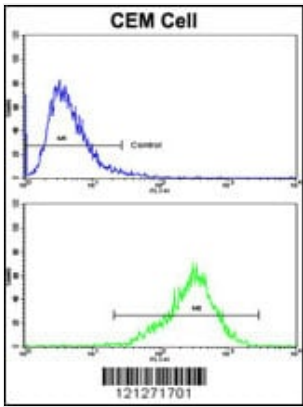
PRODUCT SYNONYMS

TGM4; Polyclonal Antibody; TGM4 Antibody (Center); Protein-glutamine gamma-glutamyltransferase 4; Fibrinolytic; Prostate transglutaminase; Prostate-specific transglutaminase; Transglutaminase P; TG(P); TGP; TGase P; Transglutaminase-4; TGase-4; anti-TGM4 antibody

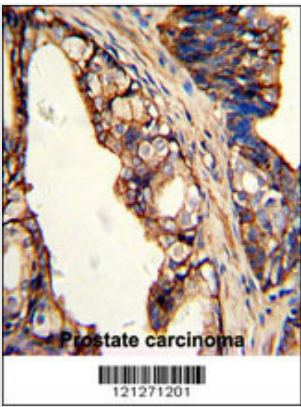
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TGM4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-164 amino acids from the Central region of human TGM4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	135-164
Sequence Length	684
Applicable Applications for anti-TGM4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

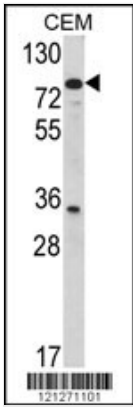
IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of CEM cells using TGM4 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human prostate carcinoma with TGM4 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of TGM4 Antibody (Center) in CEM cell line lysates (35ug/lane). TGM4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TGM4 antibody	TGM4is associated with the mammalian reproductive process and catalyzes the cross-linking of proteins and the conjugation of polyamines to specific proteins in the seminal tract.
Product Categories/Family for anti-TGM4 antibody	Metabolism; Signal Transduction
References	Jiang,W.G., et.al., Microvasc. Res. 77 (2), 150-157 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	156627577
NCBI GeneID	7047
NCBI Accession #	NP_003232.2
NCBI GenBank Nucleotide #	NM_003241.3
UniProt Accession #	P49221; Q16707; Q96QN4
Molecular Weight	77145
NCBI Official Full Name	protein-glutamine gamma-glutamyltransferase 4

NCBI Official Synonym Full Names	transglutaminase 4
NCBI Official Symbol	TGM4
NCBI Official Synonym Symbols	TGP; hTGP
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 4
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase 4
UniProt Gene Name	TGM4
UniProt Synonym Gene Names	TG(P); TGP; TGase P; TGase-4
UniProt Entry Name	TGM4_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/tgm4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289165>