

Mouse anti-Homo sapiens TGM2 Monoclonal Antibody | anti-TGM2 antibody

TGM2 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62435	Mouse	Homo sapiens	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

TGM2; Monoclonal Antibody; TGM2 Mouse mAb; Transglutaminase 2 Mouse mAb; anti-TGM2 antibody

PRODUCT SPECIFICATIONS

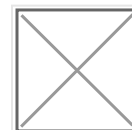
Host	Mouse
Reactivity	Homo sapiens
Clonality	Monoclonal
Isotype	IgG
Sequence Length	93
Applicable Applications for anti-TGM2 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human TGM2.
Preparation and Storage	Store at -20°C.

IMAGES



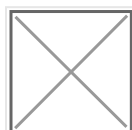
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed 1G2 cells labeling TGM2 with AAA62435 at 1/200 dilution (blue) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, red). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

TGM2 was immunoprecipitated from 1mg of 1G2 cells membrane fraction, blotted with AAA62435 of 10 ug. Western blot was performed from the immunoprecipitate using AAA62435 at 1/2000 dilution. Anti-Mouse-IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1:1G2 cells membrane fraction. Lane2: IP product of 1G2 cells membrane fraction.Blocking and dilution buffer and concentration: 5% milk/TBST.



WB (Western Blot)

All lanes : TGM2 Mouse mAb at 1/2000 dilutionLane 1 : 1G2 cells membrane fractionLane 2 : PC9 cells membrane fraction Lysates/proteins at 20 ug per lane.SecondaryGoat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilutionPredicted band size : 77 KDaObserved band size : 77 KDaBlocking/Dilution buffer : 1x TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-TGM2 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 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. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-TGM2 antibody	Membrane; Lung Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	49522843
NCBI GeneID	7052
Molecular Weight	Predicted MW: 77kDa
NCBI Official Full Name	TGM2 protein, partial
NCBI Official Synonym Full Names	transglutaminase 2
NCBI Official Symbol	TGM2
NCBI Official Synonym Symbols	TGC; TG(C)
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 2
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

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.