



TGM3 Polyclonal Antibody

Catalog No	YP-Ab-07768
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	TGM3
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TGM3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TGE;UHS2;TG E;TG(E);TGase E;TGase-3;we;TGM3_HUMAN;TGM3; Transglutaminase E (TG(E) TGE TGase E);Transglutaminase-3 (TGase-3); 2.3.2.13;TGM3_MOUSE;Tgase3;transglutaminase 3;transglutaminase 3 (E polypeptide;protein-glutamine-gamma-glutamyltransferase);E polypeptide; protein-glutamine-gamma-glutamyltransferase;Protein-glutamine gamma-glutamyltransferase E (EC 2.3.2.13) (Transglutaminase E) (TG(E)) (TGE) (TGase E) (Transglutaminase-3) (TGase-3) [Cleaved into: Protein-glutamine gamma-glutamyltransferase E 50
Observed Band	76kD
Calculated Molecular Weight	25/76 kDa
Cell Pathway	Cytoplasm .
Tissue Specificity	Foreskin,Osteosarcoma,Tongue,
Function	catalytic activity:Protein glutamine + alkylamine = protein N(5)-alkylglutamine + NH(3).,cofactor:Binds 1 calcium ion per subunit.,function:Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. It is responsible for the later stages of cell envelope formation in the epidermis and the hair follicle.,PTM:Activated by proteolytic processing.,similarity:Belongs to the transglutaminase superfamily. Transglutaminase family.,subunit:This

enzyme consists of two polypeptide chains, which are synthesized as a precursor form of a single polypeptide.,

Background

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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images