

TGM5 Antibody

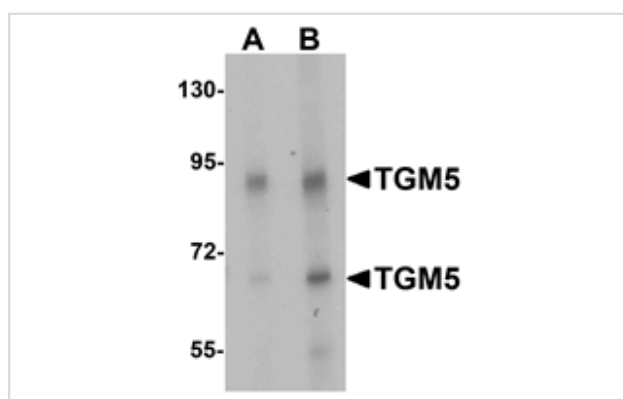
Catalog No: #25370

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Description

Product Name	TGM5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Specificity	TGM5 antibody is predicted to not cross-react with other TGase protein family members. Multiple isoforms of TGM5 are known to exist.
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide near the carboxy terminus of human TGM5.
Target Name	TGM5
Other Names	Transglutaminase 5, protein-glutamine gamma-glutamyltransferase 5, TGase-5, TGase X, TGMX, TGX
Accession No.	Swiss-Prot:O43548Gene ID:9333
Uniprot	O43548
GeneID	9333;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



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

Background

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.

Note: This product is for in vitro research use only