

## TGM7 Antibody

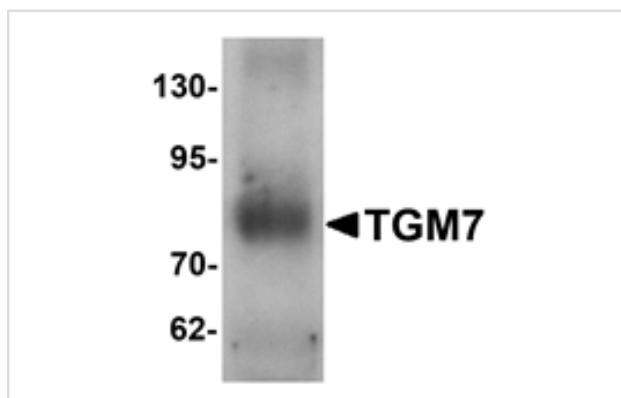
Catalog No: #25372

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## Description

Product Name	TGM7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms
Specificity	TGM7 antibody is predicted to not cross-react with other TGase protein family members. At least two isoforms of TGM7 are known to exist; this antibody will recognize both isoforms.
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide near the center of human TGM7.
Target Name	TGM7
Other Names	Transglutaminase 7, protein-glutamine gamma-glutamyltransferase 7, TGase-7, TGase Z, TGMZ
Accession No.	Swiss-Prot:Q96PF1 Gene ID:116179
Uniprot	Q96PF1
GeneID	116179;
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 TGM7 in human lung tissue lysate with TGM7 antibody at 1 ug/mL.

## Background

Transglutaminases (TGM) are a family of structurally and functionally related Ca<sup>2+</sup>-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. TGM7 belongs to the transglutaminase superfamily and is also thought to catalyze the cross-linking of proteins, often resulting in stabilization of protein assemblies. Little is known of the role of TGM7, but defects in the highly related protein TGM5 are associated with acral peeling skin syndrome.

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Note: This product is for in vitro research use only