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## anti-Transglutaminase 5 antibody (C-Term)

2 Images



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#### Overview

Quantity:	0.1 mg
Target:	Transglutaminase 5 (TGM5)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transglutaminase 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

#### **Product Details**

Immunogen:	19 amino acid synthetic peptide near the carboxy terminus of Human TGM5
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

### **Target Details**

Target:	Transglutaminase 5 (TGM5)
Alternative Name:	Transglutaminase-5 (TGM5) (TGM5 Products)
Background:	Transglutaminases (TGM) are a family of structurally and functionally related Ca2+-dependent

#### **Target Details**

enzymes (TGases) that stabilize protein assemblies through the formation of gamma-glutamylepsilon 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. Synonyms: Protein-glutamine gamma-glutamyltransferase 5, TGMX, TGX, TGase 5, TGase X, Transglutaminase X

Gene ID:

9333

NCBI Accession:

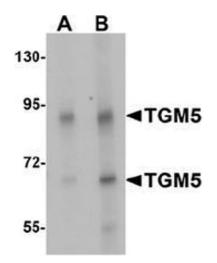
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#### **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

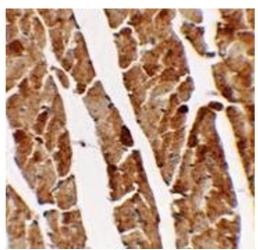
#### Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



#### **Western Blotting**

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



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of TGM5 in mouse heart tissue with TGM5 antibody at 2.5 ug/mL.