

**TGM5 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19201b****Specification**

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**TGM5 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O43548</a>
Other Accession	<a href="#">NP_004236.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	80778
Antigen Region	686-715

**TGM5 Antibody (C-term) - Additional Information****Gene ID** 9333**Other Names**

Protein-glutamine gamma-glutamyltransferase 5, Transglutaminase X, TG(X), TGX, TGase X, Transglutaminase-5, TGase-5, TGM5, TGMX

**Target/Specificity**

This TGM5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 686-715 amino acids from the C-terminal region of human TGM5.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TGM5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TGM5 Antibody (C-term) - Protein Information****Name** TGM5

**Synonyms** TGMX

**Function** Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Contributes to the formation of the cornified cell envelope of keratinocytes.

**Cellular Location**

Cytoplasm. Note=Associated with intermediate filaments

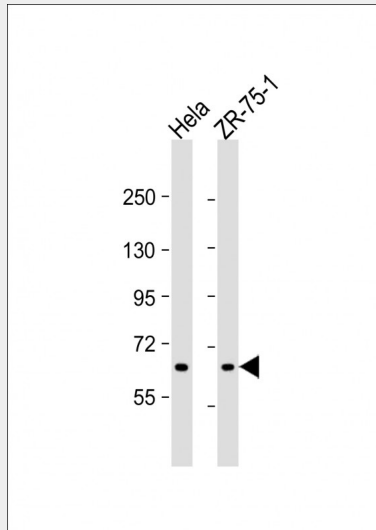
**Tissue Location**

Expressed in foreskin keratinocytes.

**TGM5 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TGM5 Antibody (C-term) - Images**

All lanes : Anti-TGM5 Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: ZR-75-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 81 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**TGM5 Antibody (C-term) - Background**

This gene encodes a member of the transglutaminase family. The encoded protein catalyzes formation of protein cross-links between glutamine and lysine residues, often resulting in stabilization of protein assemblies. This reaction is calcium

dependent. Mutations in this gene have been associated with acral peeling skin syndrome.

#### **TGM5 Antibody (C-term) - References**

Kiritsi, D., et al. J. Invest. Dermatol. 130(6):1741-1746(2010)  
Kharfi, M., et al. J. Invest. Dermatol. 129(10):2512-2515(2009)  
Broderick, P., et al. Cancer Res. 69(16):6633-6641(2009)  
Pietroni, V., et al. J. Invest. Dermatol. 128(12):2760-2766(2008)  
Cassidy, A.J., et al. Am. J. Hum. Genet. 77(6):909-917(2005)