

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

Specification

TGM5 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O43548
Other Accession	NP_004236.1
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

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

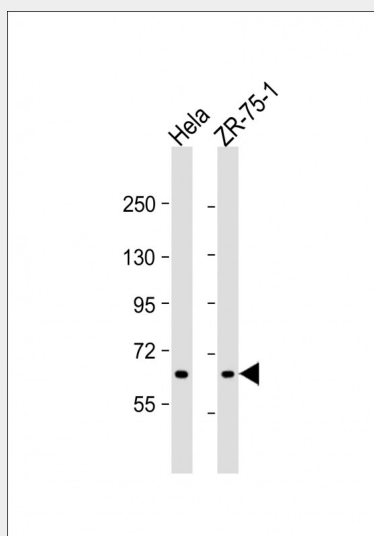
Expressed in foreskin keratinocytes.

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)
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