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TGM5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19201b

Product Information

Application	WB, E
Primary Accession	O43548
Other Accession	NP_004236.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39907
Calculated MW	80778
Antigen Region	686-715

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.

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.

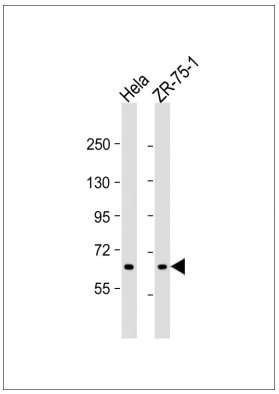
Background

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.

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)

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.