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TGM5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19201b

Specification

TGM5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O43548

TGM5 Antibody (C-term) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TGM5 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

TGM5 Antibody (C-term) Blocking Peptide - Images

TGM5 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the transglutaminase family.The encoded protein catalyzes formation of protein cross-linksbetween glutamine and lysine residues, often resulting instabilization of protein assemblies. This reaction is calciumdependent. Mutations in this gene have been associated with acralpeeling skin syndrome.

TGM5 Antibody (C-term) Blocking Peptide - 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)