

Product datasheet

Anti-Transglutaminase 5/TGM5 antibody ab210772

[2 Images](#)

Overview

Product name	Anti-Transglutaminase 5/TGM5 antibody
Description	Rabbit polyclonal to Transglutaminase 5/TGM5
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein corresponding to Human Transglutaminase 5/TGM5 aa 260-720 (C terminal). Database link: O43548

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab210772 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 81 kDa.
ICC/IF		1/50 - 1/100.

Target

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.

Tissue specificity

Expressed in foreskin keratinocytes.

Involvement in disease

Defects in TGM5 are a cause of peeling skin syndrome type A (APSS) [MIM:609796]. A non-inflammatory form of peeling skin syndrome, a genodermatosis characterized by the continuous shedding of the outer layers of the epidermis. In APSS patients, skin peeling is strictly limited to the dorsa of the hands and feet, and it is accompanied by painless erythema and spontaneous non-scarring healing. Ultrastructural and histological analysis shows a level of blistering high in the epidermis at the stratum granulosum-stratum corneum junction.

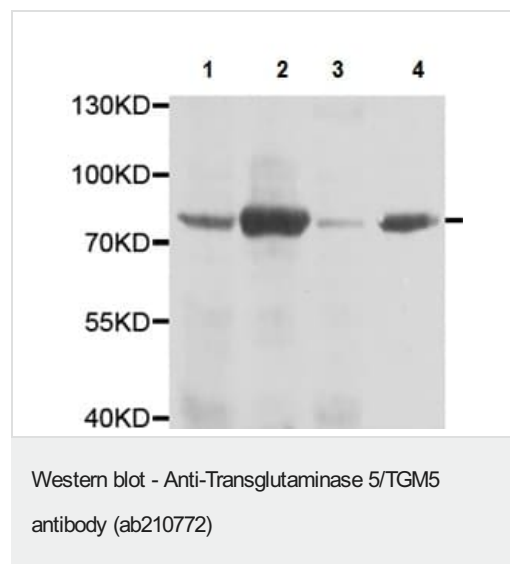
Sequence similarities

Belongs to the transglutaminase superfamily. Transglutaminase family.

Cellular localization

Cytoplasm. Associated with intermediate filaments.

Images



All lanes : Anti-Transglutaminase 5/TGM5 antibody (ab210772) at 1/500 dilution

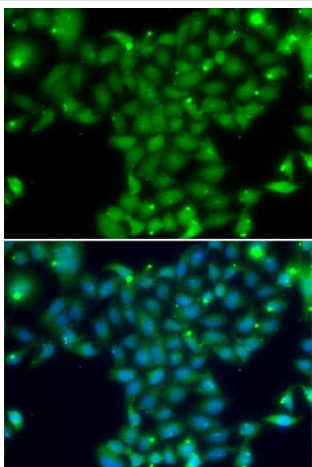
Lane 1 : Mouse liver extract

Lane 2 : Mouse heart extract

Lane 3 : Rat liver extract

Lane 4 : Rat heart extract

Predicted band size: 81 kDa



Immunofluorescent analysis of U2OS cells labeling
Transglutaminase 5/TGM5 with ab210772 at 1/50 dilution (green).
Blue: DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-
Transglutaminase 5/TGM5 antibody (ab210772)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors