


# Anti-Transglutaminase 5/TGM5 antibody ab133786

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### Overview

<b>Product name</b>	Anti-Transglutaminase 5/TGM5 antibody
<b>Description</b>	Rabbit polyclonal to Transglutaminase 5/TGM5
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Transglutaminase 5/TGM5 (C terminal).
<b>Positive control</b>	Human spleen and liver tissues
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.02% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab133786 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
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 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.

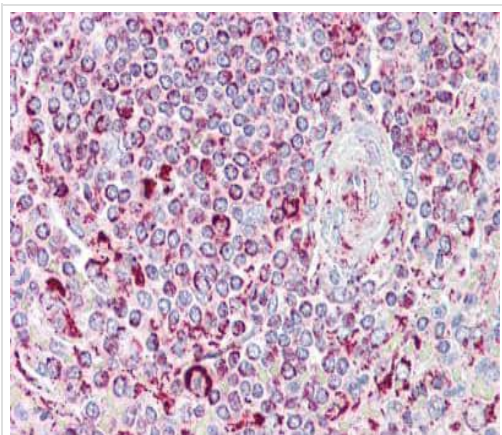
### Sequence similarities

Belongs to the transglutaminase superfamily. Transglutaminase family.

### Cellular localization

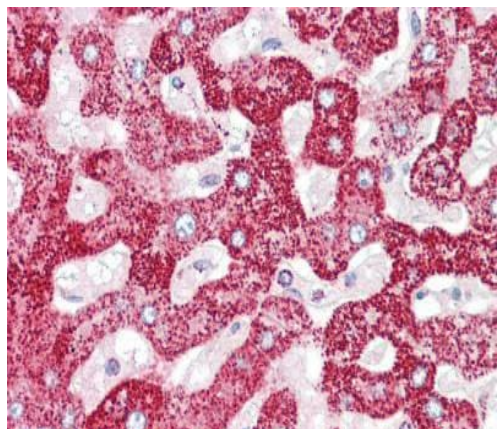
Cytoplasm. Associated with intermediate filaments.

## Images



Immunohistochemical analysis of formalin fixed, paraffin-embedded Human spleen tissue labelling Transglutaminase 5/TGM5 with ab133786 at 5 µg/ml. Primary antibody labelling was followed by a biotinylated Goat anti-Rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Transglutaminase 5/TGM5 antibody (ab133786)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Transglutaminase 5/TGM5 antibody (ab133786)

Immunohistochemical analysis of formalin fixed, paraffin-embedded Human liver tissue labelling Transglutaminase 5/TGM5 with ab133786 at 5 µg/ml. Primary antibody labelling was followed by a biotinylated Goat anti-Rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

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

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