

A7039

Leader in Biomolecular Solutions for Life Science



# TGM5 Rabbit pAb

Catalog No.: A7039

## Basic Information

### Observed MW

81kDa

### Calculated MW

81kDa

### Category

Polyclonal Antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## 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.

## Recommended Dilutions

WB 1:2000 - 1:8000

IHC-P 1:50 - 1:200

## Immunogen Information

### Gene ID

9333

### Swiss Prot

O43548

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 461-720 of human TGM5 (NP\_963925.2).

### Synonyms

TGX; PSS2; TGM6; TGMX; TG(X); TGASE5; TGASEX; TGM5

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

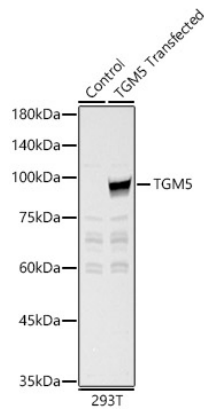
Affinity purification

### Storage

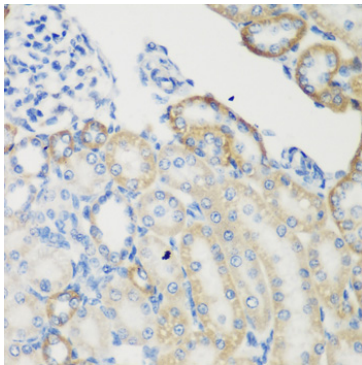
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

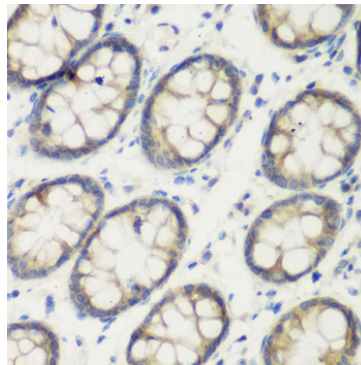
## Validation Data



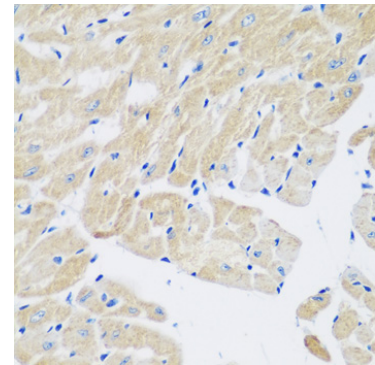
Western blot analysis of lysates from wild type (WT) and 293T cells transfected with TGM5 using TGM5 Rabbit pAb (A7039) at 1:7000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using TGM5 Rabbit pAb (A7039) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human colon using TGM5 Rabbit pAb (A7039) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using TGM5 Rabbit pAb (A7039) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.