

TGM5 Rabbit pAb

Catalog No.: A7039

Basic Information

Observed MW

81kDa

Calculated MW

81kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

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

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Product Information

Source

Rabbit

Isotype

IgG

Purification

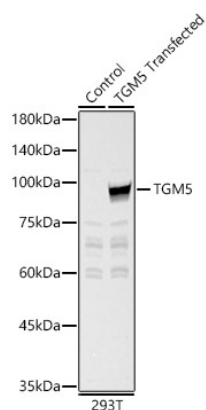
Affinity purification

Storage

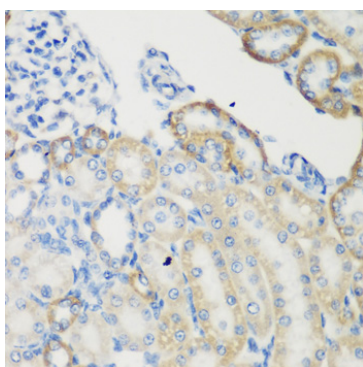
Store at -20°C. Avoid freeze / thaw cycles.

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

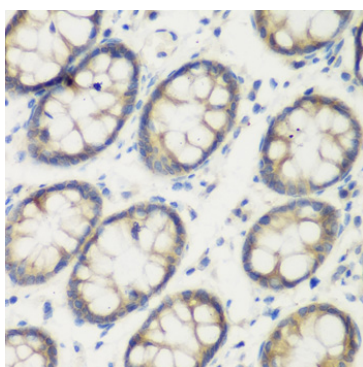
Validation Data



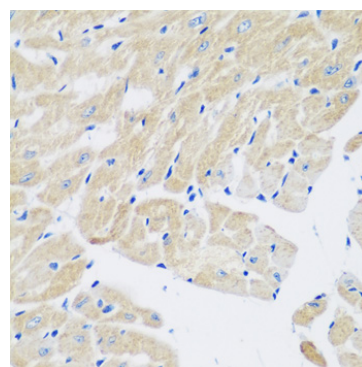
Western blot analysis of lysates from wild type (WT) and 293T cells transfected with TGM5 using TGM5 Rabbit pAb (A7039) at 1:7000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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



Immunohistochemistry analysis of TGM5 in 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 TGM5 in 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 TGM5 in 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.