



[Go to Product page](#)

Datasheet for ABIN6149094
anti-TGM3 antibody (AA 1-180)

2 Images

Overview

Quantity:	100 µL
Target:	TGM3
Binding Specificity:	AA 1-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGM3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human TGM3 (NP_003236.3).
Sequence:	MAALGVQSIN WQTAFNRQAH HTDKFSSQEL ILRRGQNFQV LMIMNKGLGS NERLEFIVST GPYPSESAMT KAVFPLSNGS SGGWSAVLQA SNGNTLTISI SSPASAPIGR YTMALQIFSQ GGISSVKLGT FILLFNPWLN VDSVFMGNHA EREEYVQEDA GIIFVGSTNR IGMIGWNFGQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	TGM3
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Target Details

Alternative Name: TGM3 ([TGM3 Products](#))

Background: Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene consists of two polypeptide chains activated from a single precursor protein by proteolysis. The encoded protein is involved the later stages of cell envelope formation in the epidermis and hair follicle.,TGM3,TGE,UHS2,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,Neuroscience,Calcium Signaling,TGM3

Molecular Weight: 76 kDa

Gene ID: 7053

UniProt: [Q08188](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:10 - 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

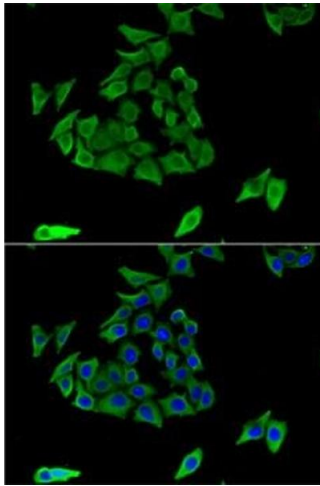
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

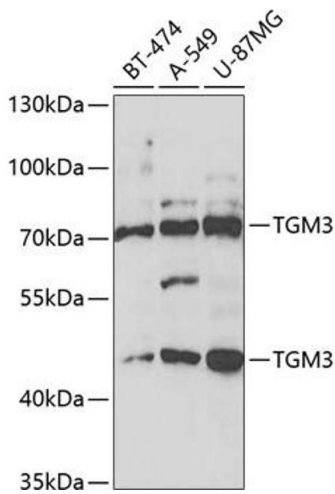
Storage: -20 °C

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



Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using TGM3 antibody (ABIN6132263, ABIN6149094, ABIN6149095 and ABIN6221560). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using TGM3 antibody (ABIN6132263, ABIN6149094, ABIN6149095 and ABIN6221560) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 50s.