

TGM1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human TGM1
Form	Liquid
Concentration	0.18 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2648419

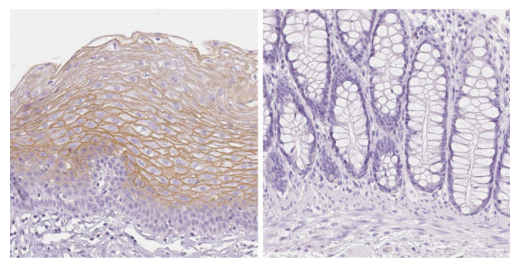
Applications	Tested Dilution	Publications
Western Blot (WB)	0.04-0.4 µg/mL	-
Immunohistochemistry (IHC)	1:2,500-1:5,000	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication

Product Specific Information

Immunogen sequence: MMDGPRSDVG RWGGNPLQPP TTPSPEPEPE PDGRSRRGGG RSFWARCCGC CSCRNAADDD
 WGPEPSDSRG RGSSSGTRRP GSRGSDSRRP VSRGSGVNAA

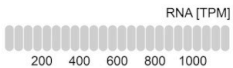
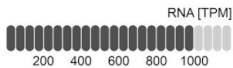
Highest antigen sequence identity to the following orthologs: Mouse - 74%, Rat - 74%.

Product Images For TGM1 Polyclonal Antibody



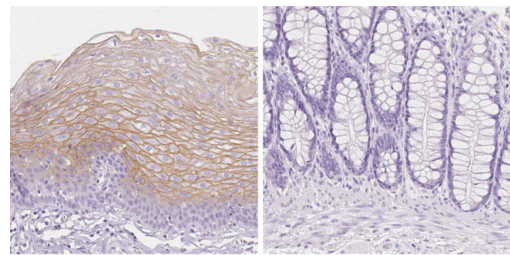
TGM1 in Esophagus

TGM1 in Colon



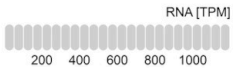
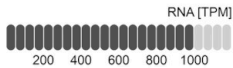
TGM1 Antibody (PA5-59088)

Relative expression in different tissues in IHC: Detection of differential expression levels of TGM1 demonstrates antibody specificity. Immunohistochemical analysis of TGM1 using anti-TGM1 Polyclonal Antibody (Product # PA5-59088), shows significant staining of TGM1 in human esophagus and shows minimal or weak staining in human colon tissues. The relative expression levels of TGM1 within each tissue is shown using RNA-Seq. {RE}



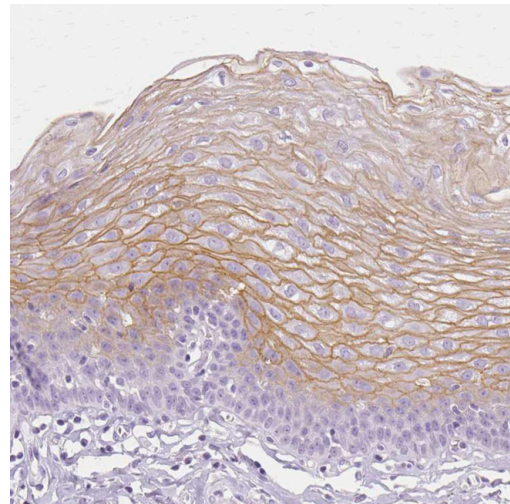
TGM1 in Esophagus

TGM1 in Colon



TGM1 Antibody (PA5-59088) in IHC

Immunohistochemical staining of TGM1 in human esophagus and colon tissues using TGM1 Polyclonal Antibody (Product # PA5-59088). Corresponding TGM1 RNA-seq data are presented for the same tissues.



TGM1 Antibody (PA5-59088) in IHC

Immunohistochemical staining of TGM1 in human esophagus using TGM1 Polyclonal Antibody (Product # PA5-59088) shows moderate to strong membranous positivity in squamous epithelial cells.

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Immunohistochemistry (2)

International journal of molecular sciences	Year 2022
Deep Association between Transglutaminase 1 and Tissue Eosinophil Infiltration Leading to Nasal Polyp Formation and/or Maintenance with Fibrin Polymerization in Chronic Rhinosinusitis with Nasal Polyps.	Species Human
"Published figure using TGM1 polyclonal antibody (Product # PA5-59088) in Immunohistochemistry"	
Authors: Sonoyama T,Ishino T,Takemoto K,Yamato K,Oda T,Nishida M,Horibe Y,Chikuie N,Kono T,Taruya T, Hamamoto T,Ueda T,Takeno S	

Cell death discovery	Year 2020
Trichohyalin-like 1 protein plays a crucial role in proliferation and anti-apoptosis of normal human keratinocytes and squamous cell carcinoma cells.	Species Human
"Published figure using TGM1 polyclonal antibody (Product # PA5-59088) in Immunocytochemistry"	
Authors: Makino T,Mizawa M,Yoshihisa Y,Yamamoto S,Tabuchi Y,Miyai M,Hibino T,Sasahara M,Shimizu T	

Immunocytochemistry (1)

Cell death discovery	Year 2020
Trichohyalin-like 1 protein plays a crucial role in proliferation and anti-apoptosis of normal human keratinocytes and squamous cell carcinoma cells.	Species Human
"Published figure using TGM1 polyclonal antibody (Product # PA5-59088) in Immunocytochemistry"	
Authors: Makino T,Mizawa M,Yoshihisa Y,Yamamoto S,Tabuchi Y,Miyai M,Hibino T,Sasahara M,Shimizu T	

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