

ARG41106 anti-TGM5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TGM5
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TGM5
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 461-720 of Human TGM5 (NP_963925.2).
Conjugation	Un-conjugated
Alternate Names	Transglutaminase-5; TGM6; TGMX; TGase-5; TGX; TGase X; Protein-glutamine gamma-glutamyltransferase 5; X; TGASE5; PSS2; TG; TGASEX; EC 2.3.2.13; Transglutaminase X

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat heart	
Observed Size	81 kDa	

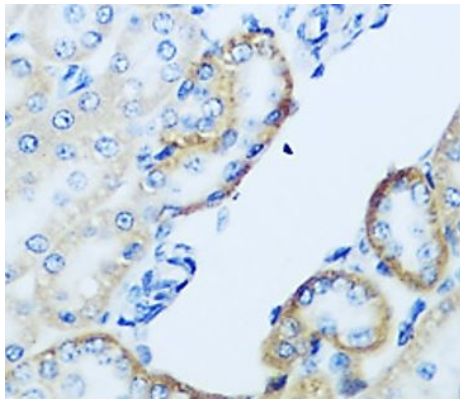
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

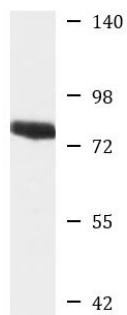
Gene Symbol	TGM5
Gene Full Name	transglutaminase 5
Background	This gene encodes a member of the transglutaminase family. The encoded protein catalyzes formation of protein cross-links between glutamine and lysine residues, often resulting in stabilization of protein assemblies. This reaction is calcium dependent. Mutations in this gene have been associated with acral peeling skin syndrome. [provided by RefSeq, Oct 2009]
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. [UniProt]
Calculated Mw	81 kDa
Cellular Localization	Cytoplasm. Note=Associated with intermediate filaments. [UniProt]

Images



ARG41106 anti-TGM5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney stained with ARG41106 anti-TGM5 antibody at 1:200 dilution.



Rat heart

ARG41106 anti-TGM5 antibody WB image

Western blot: 25 µg of Rat heart lysate stained with ARG41106 anti-TGM5 antibody at 1:1000 dilution.