

ARG41134 anti-TGM2 / Tissue transglutaminase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TGM2 / Tissue transglutaminase
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TGM2 / Tissue transglutaminase
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 429-458 of Human TGM2 / Tissue transglutaminase.
Conjugation	Un-conjugated
Alternate Names	TG2; G-ALPHA-h; TGase H; Transglutaminase C; TGase C; HEL-S-45; Transglutaminase-2; Tissue transglutaminase; C; TGase-2; TGC; Protein-glutamine gamma-glutamyltransferase 2; TG; Transglutaminase H; GNAH; EC 2.3.2.13

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:10 - 1:50
	IHC-P	1:10 - 1:50
	WB	1:1000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

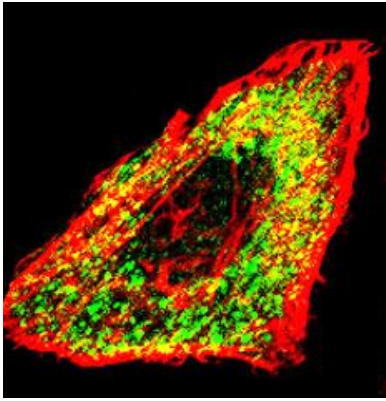
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
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 or below. 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

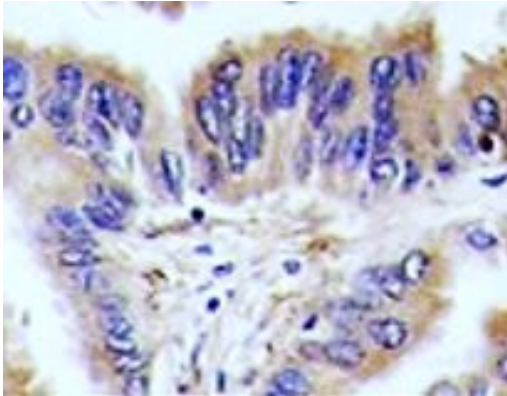
Gene Symbol	TGM2
Gene Full Name	transglutaminase 2
Background	Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. [UniProt]
Calculated Mw	77 kDa

Images



ARG41134 anti-TGM2 / Tissue transglutaminase antibody ICC/IF image

Immunofluorescence: U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then stained with ARG41134 anti-TGM2 / Tissue transglutaminase antibody (green) at 1:25, 1 hour at 37°C. Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml, 1 hour at 37°C). DAPI (blue) for nuclear staining.



ARG41134 anti-TGM2 / Tissue transglutaminase antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lung carcinoma tissue stained with ARG41134 anti-TGM2 / Tissue transglutaminase antibody.

ARG41134 anti-TGM2 / Tissue transglutaminase antibody WB image

Western blot: 35 µg of HUVEC cell lysate stained with ARG41134 anti-TGM2 / Tissue transglutaminase antibody.

