ARG41933
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, Ms
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TGM2 / Tissue transglutaminase
Species	Human
Immunogen	Synthetic peptide 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
IHC-P	1:50 - 1:200
IP	1:50
WB	1:1000 - 1:5000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HUVEC
Observed Size	~ 77 kDa

Properties

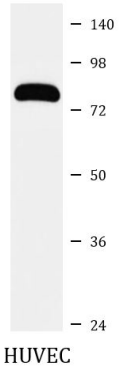
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store 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	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



ARG41933 anti-TGM2 / Tissue transglutaminase antibody WB image

Western blot: HUVEC cell lysate stained with ARG41933 anti-TGM2 / Tissue transglutaminase antibody.