

Datasheet for ABIN392284

anti-Transglutaminase 2 antibody (AA 413-442)[Go to Product page](#)**1** Image

Overview

Quantity:	400 µL
Target:	Transglutaminase 2 (TGM2)
Binding Specificity:	AA 413-442
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transglutaminase 2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Transglutaminase (TGM2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 413-442 amino acids from the Central region of human Transglutaminase (TGM2).
Clone:	RB13079
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Transglutaminase 2 (TGM2)
Alternative Name:	Transglutaminase (TGM2) (TGM2 Products)

Target Details

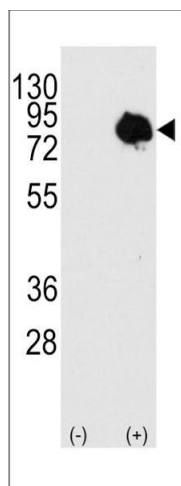
Background:	Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. TGM2 acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. It has been identified as the autoantigen implicated in celiac disease.
Molecular Weight:	77329
Gene ID:	7052
NCBI Accession:	NP_004604 , NP_945189
UniProt:	P21980
Pathways:	Tube Formation , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

Image 1. Western blot analysis of TGM2 (arrow) using rabbit polyclonal TGM2 Antibody (Center) (ABIN392284 and ABIN2841949). 293 cell lysates (2 μ g/lane) either nontransfected (c) or transiently transfected with the TGM2 gene (Lane 2) (Origene Technologies).