

Datasheet for ABIN3029229

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

Overview

Quantity:	0.4 mL
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), ELISA

Product Details

Immunogen:	A portion of amino acids 413-442 from the human protein was used as the immunogen for this TG2 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	Transglutaminase 2 (TGM2)
Alternative Name:	TG2 (TGM2 Products)
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

Target Details

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.

UniProt: [P21980](#)

Pathways: [Tube Formation, Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: Titration of the TG2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

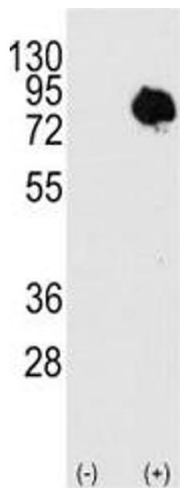
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

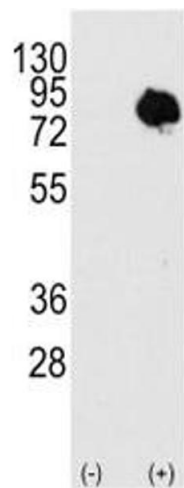
Storage Comment: Aliquot the TG2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of TG2 antibody and 293 cell lysate (2 ug/lane) either nontransfected or transiently transfected with the TGM2 gene.



Western Blotting

Image 2. Western blot analysis of TG2 antibody and 293 cell lysate (2 ug/lane) either nontransfected or transiently transfected with the TGM2 gene.