

Datasheet for ABIN5532298

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

Overview

Quantity:	400 µL
Target:	Transglutaminase
Binding Specificity:	AA 413-442
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transglutaminase 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).
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	Transglutaminase
Abstract:	Transglutaminase Products
Background:	Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma

Target Details

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: 77 kDa

Gene ID: 7052

UniProt: [P21980](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2 mg/mL

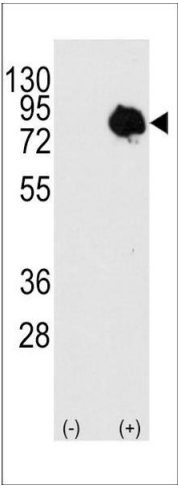
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

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: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Western Blotting

Image 1. Western blot analysis of TGM2 using rabbit polyclonal using 293 cell lysates (2 ug/lane) either nontransfected (c) or transiently transfected with the TGM2 gene (Lane 2).