

Datasheet for ABIN7166409

**anti-Transglutaminase 2 antibody (AA 4-544)**[Go to Product page](#)**3** Images

## Overview

Quantity:	100 µg
Target:	Transglutaminase 2 (TGM2)
Binding Specificity:	AA 4-544
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transglutaminase 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Protein-glutamine gamma-glutamyltransferase 2 protein (4-544AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	Transglutaminase 2 (TGM2)
Alternative Name:	TGM2 ( <a href="#">TGM2 Products</a> )
Background:	Background: Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins.

## Target Details

Aliases: ALPHA SUBUNIT antibody, C polypeptide antibody, EC 2.3.2.13 antibody, epididymis secretory protein Li 45 antibody, G alpha h antibody, G[a]h antibody, Gh CLASS G ALPHA h antibody, GNAH antibody, GNAH G PROTEIN antibody, H POLYPEPTIDE antibody, HEL-S-45 antibody, Protein glutamine gamma glutamyltransferase 2 antibody, Protein-glutamine gamma-glutamyltransferase 2 antibody, TG 2 antibody, TG(C) antibody, TG2 antibody, TGase C antibody, TGase H antibody, TGase-2 antibody, Tgasell antibody, TGC antibody, TGC GUANINE NUCLEOTIDE BINDING PROTEIN antibody, TGM2 antibody, TGM2\_HUMAN antibody, Tissue transglutaminase antibody, Transglutaminase 2 antibody, Transglutaminase 2 C polypeptide antibody, Transglutaminase C antibody, Transglutaminase H antibody, Transglutaminase-2 antibody, tTG antibody, tTgas antibody

UniProt: [P21980](#)

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

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

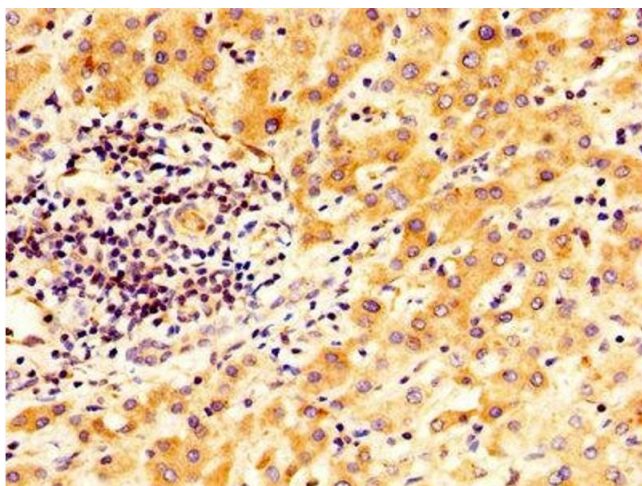
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

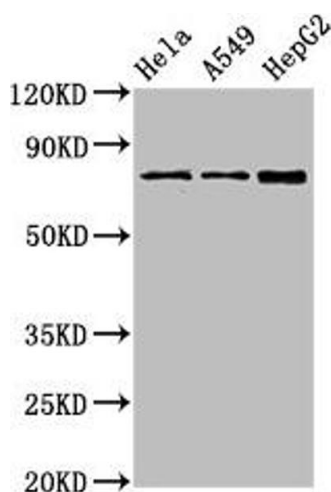
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



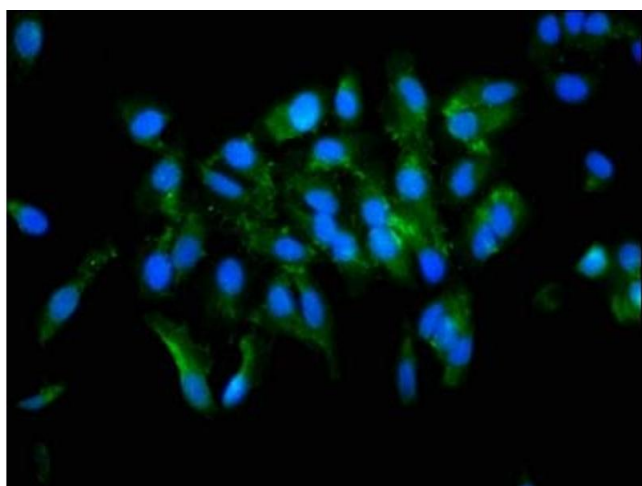
### Immunohistochemistry

**Image 1.** IHC image of ABIN7166409 diluted at 1:400 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HeLa whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate. All lanes: TGM2 antibody at 4 µg/mL. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 78, 62, 39 kDa. Observed band size: 78 kDa.



### Immunofluorescence

**Image 3.** Immunofluorescence staining of HeLa cells with ABIN7166409 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).