

Datasheet for ABIN1109301

anti-TGM1 antibody

2 Images

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Overview

Quantity:	0.1 mg
Target:	TGM1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	A 15 residue synthetic peptide derived from specific domain of Transglutaminase-1 protein.
Specificity:	This antibody is specific to keratinocyte Transglutaminase 1.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	TGM1
Alternative Name:	Transglutaminase-1 (TGM1) (TGM1 Products)
Background:	Tissue transglutaminase is a calcium activated enzyme which catalyzes the cross linking of proteins and the conjugation of polyamines to proteins. The identification of transglutaminase as the main antigen of endomysium antibodies allows a new diagnostic approach to celiac

Target Details

disease (CD). CD, a genetic, immunologically mediated small bowel enteropathy that causes malabsorption, is one of the more common disorders in Western countries. Synonyms: Epidermal TGase, KTG, Protein-glutamine gamma-glutamyltransferase K, TGase K, Transglutaminase K

Molecular Weight: 90 kDa

Gene ID: 7051

NCBI Accession: [NP_000350](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

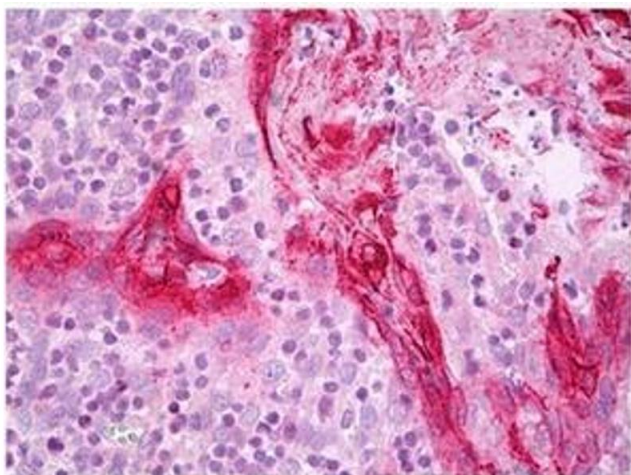
Reconstitution: Restore in distilled water.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

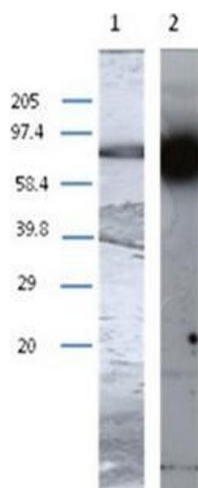
Storage Comment: Prior to reconstitution store the antibody at -20 °C. Store reconstituted antibody at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Tonsil stained with TGM1 antibody *Cat.-No* AP55343PU-N in Immunohistochemistry on Paraffin Sections.



Western Blotting

Image 2. Western Blot analysis using TGM1 antibody *Cat.-No* AP55343PU-N using a HRP conjugated anti Rabbit IgG secondary antibody (1/5000).

Lane 1: Human recombinant TGM1 (50 ng).

Lane 2: Human recombinant TGM1 (500 ng).