

Product datasheet for **AP55343PU-N**

TGM1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/200-1/1000. Immunohistochemistry: 1/100-1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A 15 residue synthetic peptide derived from specific domain of Transglutaminase-1 protein.
Specificity:	This antibody is specific to keratinocyte Transglutaminase 1.
Formulation:	0.1M Tris, 0.1M Glycine, 2% Sucrose State: Purified State: Lyophilized purified powder Preservative: None
Reconstitution Method:	Restore in distilled water.
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	90 kDa
Gene Name:	transglutaminase 1
Database Link:	Entrez Gene 7051 Human P22735



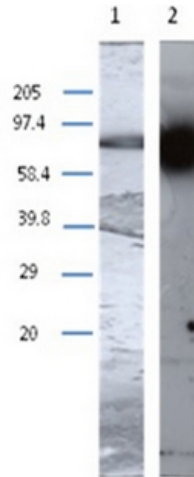
[View online »](#)

Background:

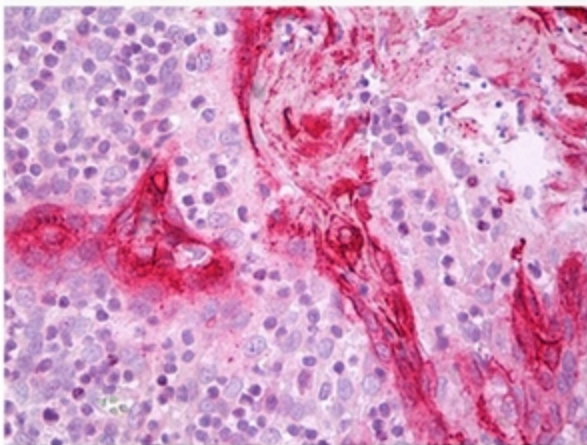
Tissue transglutaminase is a calcium activated enzyme which catalyzes the cross linking of proteins and the conjugation of polyamines to proteins. The identification of transglutaminase as the main antigen of endomysium antibodies allows a new diagnostic approach to celiac disease (CD). CD, a genetic, immunologically mediated small bowel enteropathy that causes malabsorption, is one of the more common disorders in Western countries.

Synonyms:

Transglutaminase K, TGase K, KTG, Epidermal TGase

Product images:


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).



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