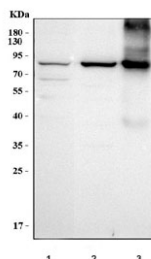


## Transglutaminase 2 Antibody / TGM2 (RQ8287)

Catalog No.	Formulation	Size
RQ8287	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P21980
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Transglutaminase 2 antibody is available for research use only.



Western blot testing of human 1) K526, 2) A549 and 3) placental tissue lysate with Transglutaminase 2 antibody. Predicted molecular weight ~78 kDa.

## Description

Tissue transglutaminase, also called TGC, is a 78-kDa, calcium dependent enzyme of the protein-glutamine gamma-glutamyltransferases family. By fluorescence in situ hybridization (FISH), this gene is mapped in 20q11.23. 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 calcium-dependent. The protein encoded by this gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease.

## Application Notes

Optimal dilution of the Transglutaminase 2 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (A2-Q37) was used as the immunogen for the Transglutaminase 2 antibody.

## Storage

After reconstitution, the Transglutaminase 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.