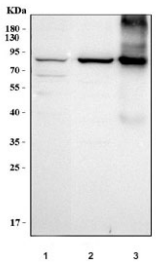
Transglutaminase 2 Antibody / TGM2 (RQ8287)

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

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P21980
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	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.

Visit our TGM2 Antibody / Transglutaminase 2 Antibody page to explore additional validated antibodies and research tools for investigating TGM2 expression, extracellular matrix remodeling, cell adhesion, fibrosis, and cancer progression.

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.

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