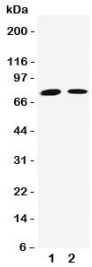
Transglutaminase 2 Antibody (R31273)

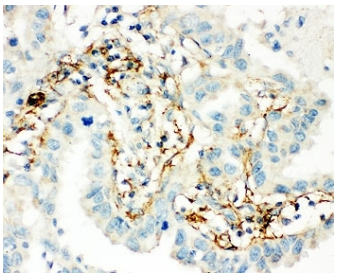
Catalog No.	Formulation	Size
R31273	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P21980
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml Immunocytochemistry: 0.5-1ug/ml
Limitations	This Transglutaminase 2 antibody is available for research use only.



Western blot testing of Transglutaminase 2 antibody and Lane 1: Jurkat; 2: HeLa cell lysate. Predicted/observed molecular weight: ~ 78kDa.



IHC-P: Transglutaminase 2 antibody testing of human lung cancer tissue

Description

Transglutaminase 2, also called TGC, TG2 and TGM2, is a 78-kDa, calcium dependent enzyme of the protein-glutamine gamma-glutamyltransferases family. Transglutaminases (TGs) are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of TGs are not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. Transglutaminase 2 acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. It 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

The stated application concentrations are suggested starting amounts. Titration of the Transglutaminase 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human TGM2 (ADVVDWIQQDDGSVHKSINR) was used as the immunogen for this 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.

Copyright © NSJ Bioreagents. All rights reserved.