

For Research Use Only

# Anti-Human TGM2 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98749-1-PBS



## Basic Information

Catalog Number:

98749-1-PBS

Concentration:

1mg, 3 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

7052

ENSEMBL Gene ID:

ENSG00000198959

UNIPROT ID:

P21980

Full Name:

transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)

Purification Method:

Protein A purification

CloneNo.:

253540A1

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

## Background Information

Transglutaminase 2 (TGM2) is a ubiquitous and multifunctional calcium-dependent enzyme belonging to the transglutaminase family. It is best known for its canonical activity of catalyzing the cross-linking of proteins by forming stable  $\epsilon$ -( $\gamma$ -glutamyl)lysine isopeptide bonds, which contributes to extracellular matrix stabilization and wound healing. Beyond this, TGM2 exhibits GTPase activity, allowing it to function as a signaling G-protein in intracellular processes. It is implicated in a wide range of physiological functions, including cell adhesion, proliferation, and apoptosis, as well as pathological conditions such as celiac disease, fibrosis, neurodegenerative disorders, and cancer metastasis, where its dysregulated expression often contributes to disease progression.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

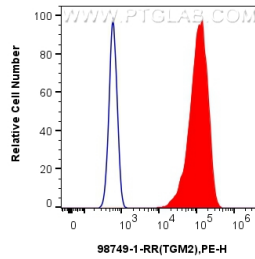
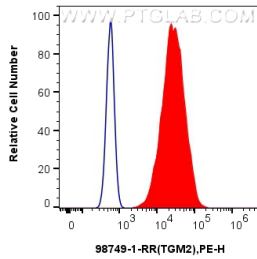
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug Anti-Human TGM2 Rabbit RecAb (98749-1-RR, Clone:253540A1) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using the same antibody clone with 98749-1-PBS in a different storage



1x10<sup>6</sup> HUVEC cells were intracellularly stained with 0.25 ug Anti-Human TGM2 Rabbit RecAb (98749-1-RR, Clone:253540A1) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using the same antibody clone with 98749-1-PBS in a different storage

