

RecomAb™

# TGM2 recombinant monoclonal antibody, clone R07-8K1

Catalog # RAB01855      Size 100 uL

## Applications



### Western Blot

Western blot analysis of rat brain lysates with TGM2 recombinant monoclonal antibody, clone R07-8K1 (Cat # RAB01855).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human TGM2.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human TGM2.
<b>Theoretical MW (kDa)</b>	Calculated MW: 77 kD
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at -20 °C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of rat brain lysates with TGM2 recombinant monoclonal antibody, clone R07-8K1 (Cat # RAB01855).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunoprecipitation

## Gene Info — TGM2

**Entrez GeneID**[7052](#)**Protein Accession#**[P21980](#)**Gene Name**

TGM2

**Gene Alias**

G-ALPHA-h, GNAH, TG2, TGC

**Gene Description**

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

**Omim ID**[190196](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

C polypeptide|OTTHUMP00000030960|TGase C|TGase-H|protein-glutamine-gamma-glutamyltransferase|tissue transglutaminase|transglutaminase 2|transglutaminase C

## Disease

- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Exfoliation Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Schizophrenia](#)