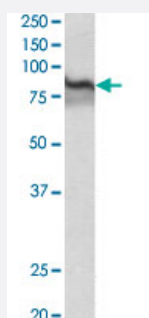


TGM2 polyclonal antibody

Catalog # PAB24577 Size 100 ug

Applications



Western Blot (Tissue lysate)

TGM2 polyclonal antibody (Cat # PAB24577) (1 ug/mL) staining of mouse kidney lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TGM2.
Immunogen	A synthetic peptide corresponding to amino acids 578-591 at internal region of human TGM2.
Sequence	C-ERDLYLENPEIKIR
Host	Goat
Theoretical MW (kDa)	80
Reactivity	Mouse, Rat
Specificity	This antibody is expected to recognize isoform a (NP_004604.2) only.
Form	Liquid
Purification	Antigen affinity purification
Recommend Usage	ELISA (1:8000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% 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 (Tissue lysate)

TGM2 polyclonal antibody (Cat # PAB24577) (1 ug/mL) staining of mouse kidney lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TGM2

Entrez GeneID[7052](#)**Protein Accession#**[NP_004604.2](#)**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](#)