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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB11081 - Goat Anti-Transglutaminase 2 (aa578-591) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: C polypeptide, G-ALPHA-h, GNAH, protein-glutamine gamma-glutamyltransferase 2, protein-glutamine-gamma-glutamyltransferase, TG(C), TG2, TGase C, TGase H, TGase-2, TGase-H, TGC, tissue transglutaminase, transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase), transglutaminase C, transglutaminase H, transglutaminase-2, TGM2

Official Symbol: TGM2

Accession Number(s): NP_004604.2; NP_001310245.1; NP_001310247.1; NP_001310246.1

Human GeneID(s): [7052](#)

Non-Human GeneID(s): 21817 (mouse), 56083 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms.

Immunogen

Peptide with sequence C-ERDLYLENPEIKIR, from the internal region of the protein sequence according to NP_004604.2; NP_001310245.1; NP_001310247.1; NP_001310246.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx. 80kDa band observed in Human Placenta and Mouse Kidney lysates, and in preliminary testing of Mouse Heart and Lung lysate (calculated MW of 77.3kDa according to Human NP_004604.2 and 77.1kDa according to Mouse NP_033399.1). Recommended concentration: 2-3µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow



EB11081 (2 μ g/ml) staining of Human Placenta (A) and (3 μ g/ml) Mouse Kidney (B) lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.