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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 GenelD(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

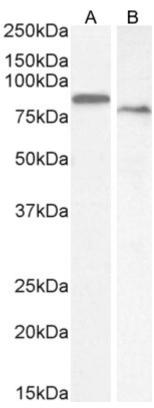
Peptide ELISA: antibody detection limit dilution 1:8000.

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