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

EB07827-T - Goat Anti-TGM2 Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

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

Official Symbol: TGM2

Accession Number(s): NP_004604.2

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

Important Comments: This antibody is expected to recognise isoform a (NP_004604.2) only.

Immunogen

Peptide with sequence C-NFESDKLKAVKGFR, from the internal region (near the C Terminus) of the protein sequence according to NP_004604.2.

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 1:128000.

Western blot: Approx 90kDa band observed in Human Lung lysates and approx 85kDa in lysates of cell line A549 (calculated MW of 77.3kDa according to NP_004604.2).

Recommended concentration: 0.03-0.1µg/ml.

IHC: Paraffin embedded Human Placenta. Recommended concentration: 5-10µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

EB07827 (0.03µg/ml) staining of Human Lung lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB07827 (0.1µg/ml) staining of A549 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB07827 (5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.