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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.

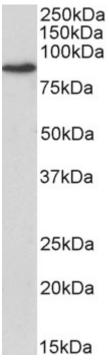
Species Reactivity

Tested: Human

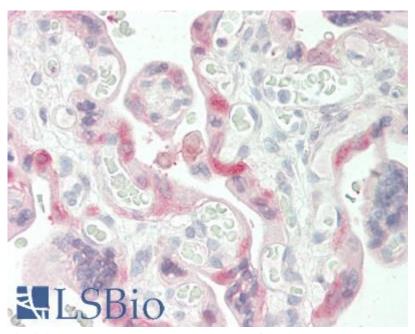
Expected from sequence similarity: Human



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



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



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