

### **International Office**

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# 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.

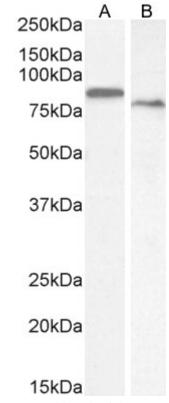
# **Applications Tested**

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:  $2-3\mu$ g/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.