

#### **International Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB11080 - Goat Anti-Transglutaminase 2 (aa17-29). 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\_945189.1

Human GeneID(s): 7052

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

Important Comments: This antibody is expected to recognize both reported isoforms

(NP\_004604.2; NP\_945189.1)..

## **Immunogen**

Peptide with sequence NGRDHHTADLCRE, from the N Terminus of the protein sequence according to NP\_004604.2; NP\_945189.1.

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**

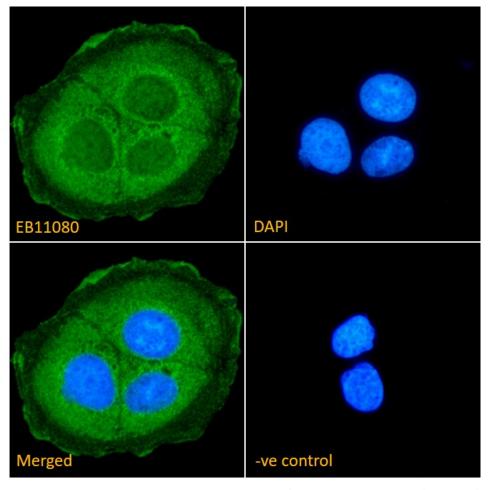
Peptide ELISA: antibody detection limit dilution 1:16000.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and membranes of Caco-2 cells. Recommended concentration: 10µg/ml.

## **Species Reactivity**

Tested: Human

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



EB11080 Immunofluorescence analysis of paraformaldehyde fixed Caco-2. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic, and membrane staining. The nuclear stain is DAPI (blue). Negative control: Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.