

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**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; NP\_001310245.1; NP\_001310247.1;  
NP\_001310246.1

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

**Important Comments:** This antibody is expected to recognise all reported isoforms.

### Immunogen

Peptide with sequence C-NFESDKLKAVKGFR, from the internal region (near the C Terminus) 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 1:128000.

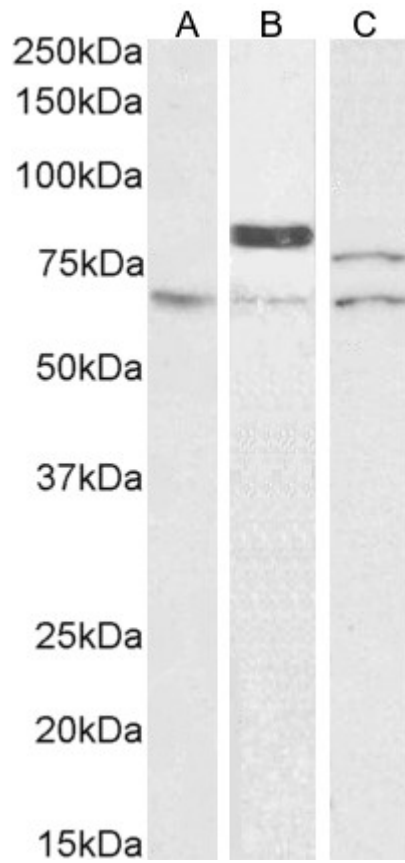
**Western blot:** Approx. 70kDa band observed in K562, 70+80kDa in Caco-2 and 70+85kDa in A549 cell lysates, and approx. 80kDa in Human Placenta lysates (calculated MW of 70.3kDa according to NP\_001310247.1 and 77.3kDa according to NP\_004604.2). All observed molecular weights are reported by other sources. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

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

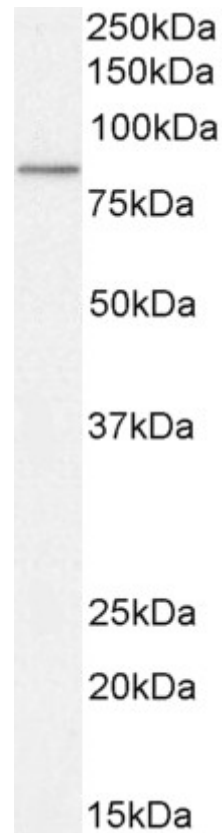
### Species Reactivity

**Tested:** Human

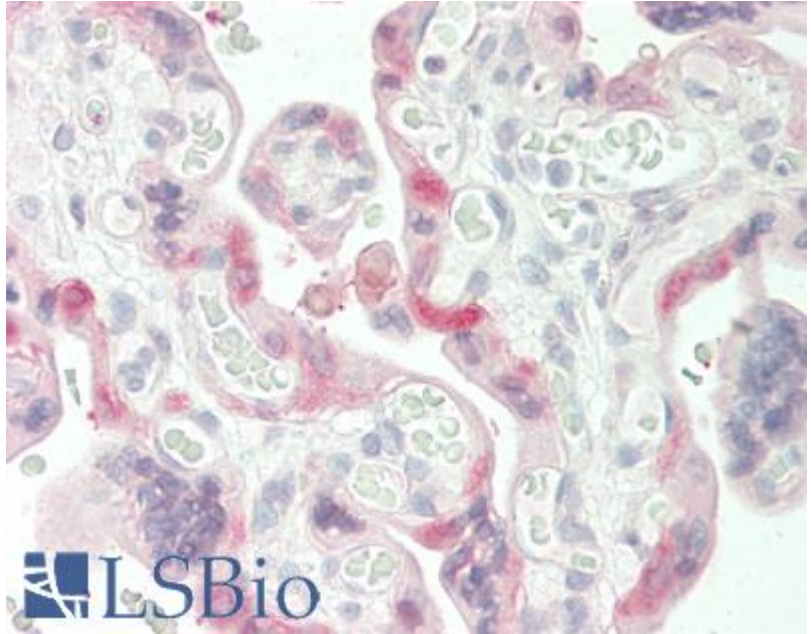
**Expected from sequence similarity:** Human



EB07827 (0.1 $\mu$ g/ml) staining of K562 (A) and A549 (B) and (0.3 $\mu$ g/ml) Caco-2 (C) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB07827 (0.1 $\mu$ g/ml) staining of Human Placenta lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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