



## International Office

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

## EB10507 - Goat Anti-TGM7 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TGMZ, transglutaminase 7, transglutaminase Z, TGM7

**Official Symbol:** TGM7

**Accession Number(s):** NP\_443187.1

**Human GeneID(s):** [116179](#)

**Non-Human GeneID(s):** 640543 (mouse)

### Immunogen

Peptide with sequence C-KIEISQGGHSTV, from the internal region of the protein sequence according to NP\_443187.1.

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.

**Western blot:** Approx 75kDa band observed in Human Lung and Testis and in Mouse Kidney, Lung and Testis lysates (calculated MW of 79.9kDa according to Human NP\_443187.1 and 79.8kDa according to Mouse NP\_001153896.1). Recommended concentration: 0.1-0.3µg/ml. An additional band of unknown identity was also consistently observed at 17kDa. This band was successfully blocked by incubation with the immunizing peptide.

**IHC:** Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

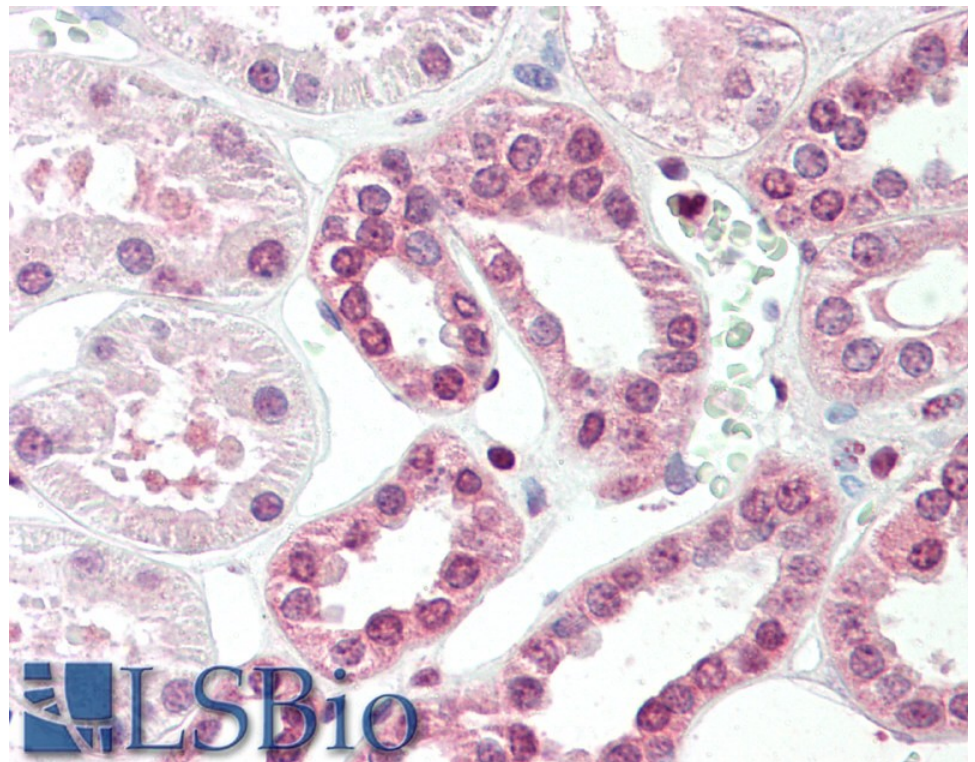
### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Dog, Pig



EB10507 (0.1 $\mu$ g/ml) staining of Mouse Kidney lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10507 (5 $\mu$ g/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.