



## UK Office

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

## EB08540 - Goat Anti-TXNDC4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TXNDC4, thioredoxin domain containing 4 (endoplasmic reticulum), ERP44, KIAA0573, OTTHUMP00000063799, endoplasmic reticulum resident protein 44 kDa

**Official Symbol:** ERP44

**Accession Number(s):** NP\_055866.1

**Human GeneID(s):** [23071](#)

**Non-Human GeneID(s):** 76299 (mouse), 298066 (rat)

### Immunogen

Peptide with sequence C-EQKDSNYRVFER, from the internal region of the protein sequence according to NP\_055866.1.

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 1:32000.

**Western blot:** Approx 47kDa band observed in lysates of cell line K562 (calculated MW of 47.0kDa according to NP\_055866.1). Recommended concentration: 0.2-0.6µg/ml. An additional band of unknown identity was also consistently observed at 22kDa. This band was successfully blocked by incubation with the immunising peptide. We would appreciate any feedback from people in the field - have any such results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:** Human

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



EB08540 (0.2 $\mu$ g/ml) staining of K562 lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.