



## UK Office

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

## EB10878 - Goat Anti-TXNDC5 (aa269-282) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TXNDC5, thioredoxin domain containing 5 (endoplasmic reticulum), ERP46, EndoPDI, Hcc-2, MGC3178, PDIA15, UNQ364, ER protein 46, endoplasmic reticulum resident protein 46, endothelial protein disulphide isomerase, endoplasmic reticulum protein ERp46, protein disulfide isomerase family A, member 15, thioredoxin domain-containing protein 5, thioredoxin related protein, thioredoxin-like protein p46

**Official Symbol:** TXNDC5

**Accession Number(s):** NP\_110437.2; NP\_001139021.1

**Human GeneID(s):** [81567](#)

**Non-Human GeneID(s):** 105245 (mouse)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_110437.2; NP\_001139021.1).

### Immunogen

Peptide with sequence C-RDGKKVDQYK GKRD, from the internal region of the protein sequence according to NP\_110437.2; NP\_001139021.1.

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 1:64000.

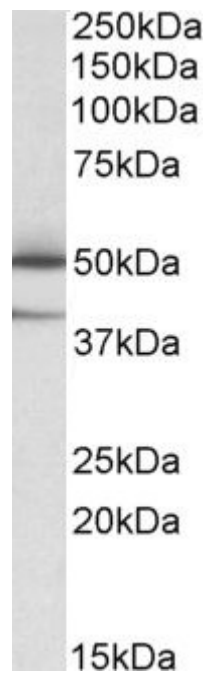
**Western blot:** Approx 50+38kDa bands observed in Human Lymph Nodes lysates (calculated MW of 47.6kDa according to NP\_110437.2 and of 36.2kDa according to NP\_001139021.1). A 48kDa band was observed in Mouse Lymph Node while a 37-38kDa doublet was observed in Mouse Stomach lysates and in Mouse Intestine lysates. Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Small Intestine. Recommended concentration: 3.75µg/ml.

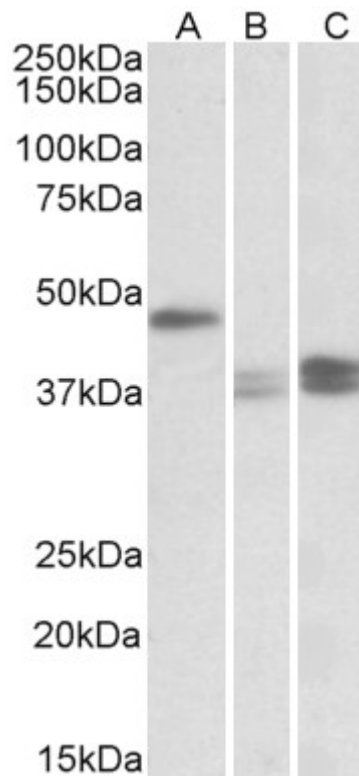
### Species Reactivity

**Tested:** Human, Mouse

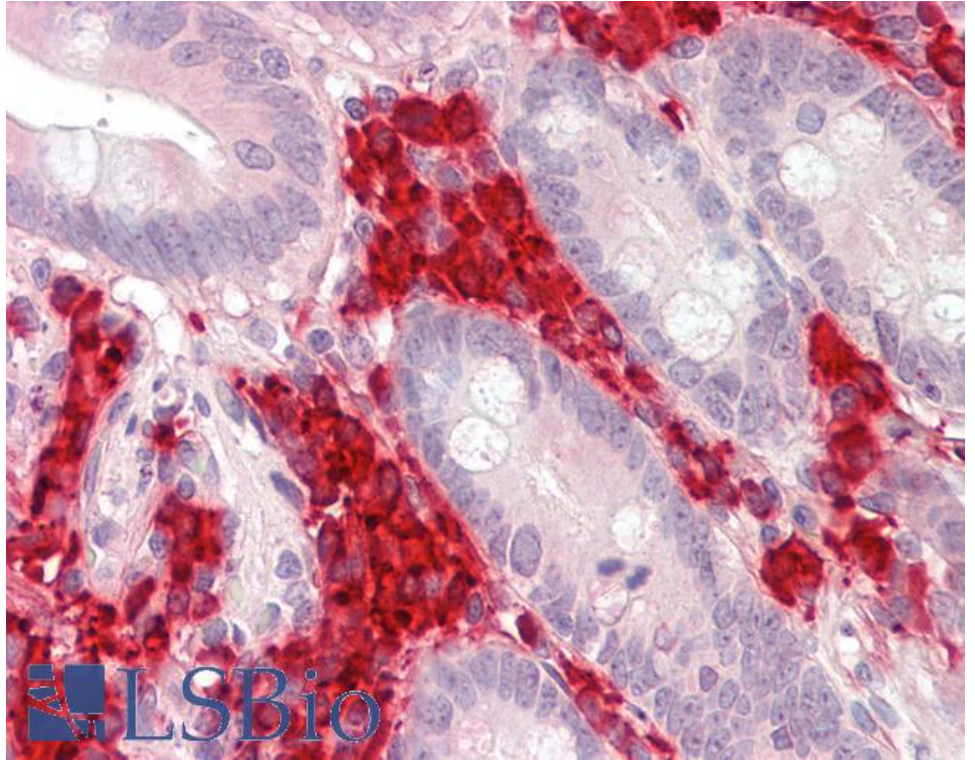
**Expected from sequence similarity:** Human, Mouse, Cow



EB10878 (0.05 $\mu$ g/ml) staining of Human Lymph Nodes lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10878 (0.1 $\mu$ g/ml) staining of Mouse Lymph Nodes (A), Stomach (B) and Intestine (C) lysates (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10878 (3.75µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.