

## UK Office

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

## EB09108 - Goat Anti-TDP-43 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TARDBP, TAR DNA binding protein, ALS10, TDP-43, OTTHUMP00000002171, TAR DNA-binding protein-43

**Official Symbol:** TARDBP

**Accession Number(s):** NP\_031401.1

**Human GeneID(s):** [23435](#)

**Non-Human GeneID(s):** 230908 (mouse)

### Immunogen

Peptide with sequence C-HISNAEPKHNSNRQ, from the internal region of the protein sequence according to NP\_031401.1.

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.

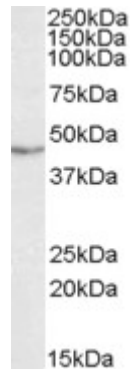
**Western blot:** Approx. 45kDa band observed in lysates of cell line Jurkat and in Human Cerebellum and approx. 48kDa in Human Frontal Cortex and Hippocampus lysates (calculated MW of 44.7kDa according to NP\_031401.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

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

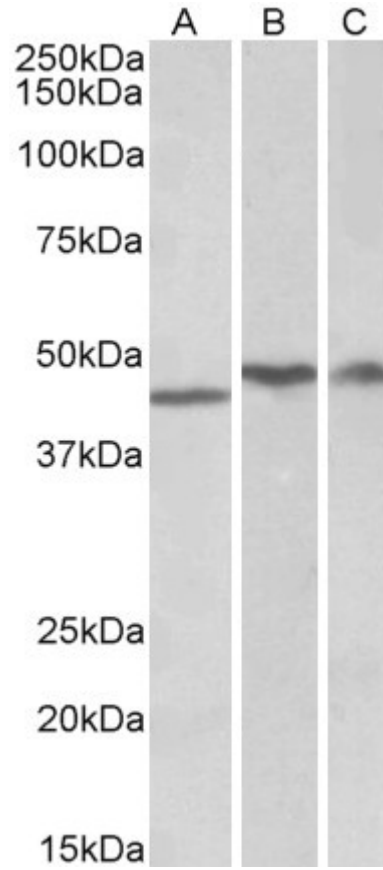
### Species Reactivity

**Tested:** Human

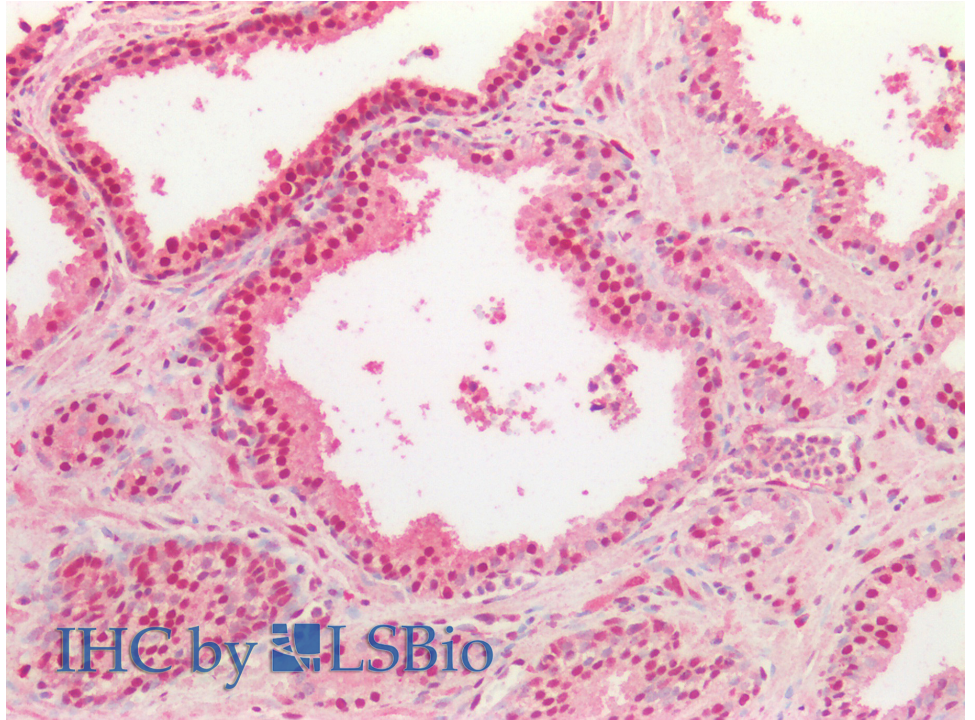
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



EB09108 (0.3µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB09108 (1µg/ml) staining of Human Cerebellum (A), Frontal Cotex (B) and Hippocampus (C) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB09108 (5 $\mu$ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.