

UK Office

Everest Biotech Ltd

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

Enquiries: info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona, CA 92065 USA

Inquiries: info@everestbiotech.com Sales: usasales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: 888-320-4628 (toll-free) Fax: 888-841-9041

www.everestbiotech.com

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, OTTHUMP0000002171, TAR DNA-binding protein-43 Official Symbol: TARDBP Accession Number(s): NP_031401.1 Human GenelD(s): 23435 Non-Human GenelD(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

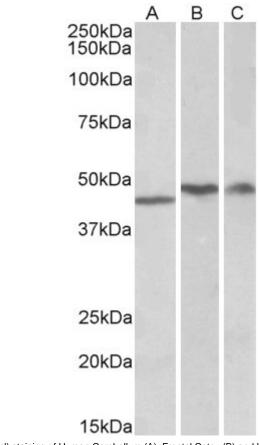
Tested: Human Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



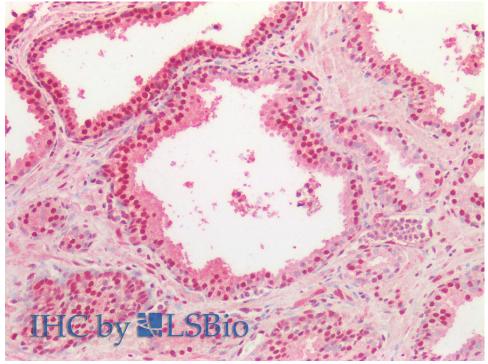
250kDa 150kDa 100kDa
75kDa
50kDa
37kDa
25kDa
20kDa

15kDa

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