

International Office

Everest Biotech Ltd Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service: <u>customerservice@vectorlabs.com</u> Technical Service: <u>technical@vectorlabs.com</u>

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB10032 - Goat Anti-POU4F2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: BRN3.2, BRN3B, Brn-3b, Brn3b POU domain transcription factor, POU class 4 homeobox 2, POU domain class 4 transcription factor 2, POU domain protein, POU domain, class 4, transcription factor 2, POU4F2
Official Symbol: POU4F2
Accession Number(s): NP_004566.2
Human GenelD(s): 5458
Important Comments: This antibody is not expected to cross-react to the similar POU4F3 (GeneID 5459)

Immunogen

Peptide with sequence HGLPSHMGCMSDVD, from the internal region of the protein sequence according to NP_004566.2.

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.

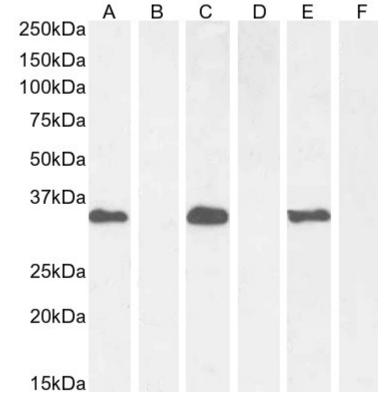
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx. 35kDa band observed in Human, Mouse and Rat Brain lysates (calculated MW of 43.1kDa according to Human NP_004566.2,). This band was successfully blocked by incubation with the immunizing peptide. Recommended concentration: $1-3\mu g/ml$. Primary incubation 1 hour at room temperature.

Species Reactivity

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



EB10032 (1µg/ml) staining of Human Cerebellum (A) + peptide (B), Mouse Brain (C) + peptide (D), and Rat Brain (E) + peptide (F) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.