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Research Use Only. Not for diagnostic or therapeutic use.

EB10027 - Goat Anti-POU3F3 / BRN1 / OCT8 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Brain-1, BRN1, OTF8, POU class 3 homeobox 3, POU domain, class 3, transcription factor 3, POU3F3, OTF-8, brain-specific homeobox/POU domain protein 1, brn-1, oct-8, octamer-binding protein 8, octamer-binding transcription factor 8

Official Symbol: POU3F3

Accession Number(s): NP_006227.1

Human GeneID(s): 5455

Non-Human GenelD(s): 18993 (mouse), 192109 (rat)

Immunogen

Peptide with sequence C-HMLSHAHQWVTAL, from the internal region of the protein sequence according to NP_006227.1.

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 1:4000.

Western blot: Approx 48kDa band observed in Mouse Spinal Cord lysates and approx. 50kDa in Mouse Brain lysates (calculated MW of 50.3kDa according to Human NP_006227.1 and 50.2kDa according to Mouse NP_032926.2). Recommended concentration: 1-3μg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nuclei of Neuro-2a cells. Recommended concentration: 10µg/ml.

cells. Neconlinenced concentration. Topg/fill.

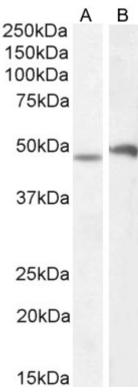
Flow Cytometry: Flow cytometric analysis of Neuro-2a cells. Recommended

concentration: 10ug/ml.

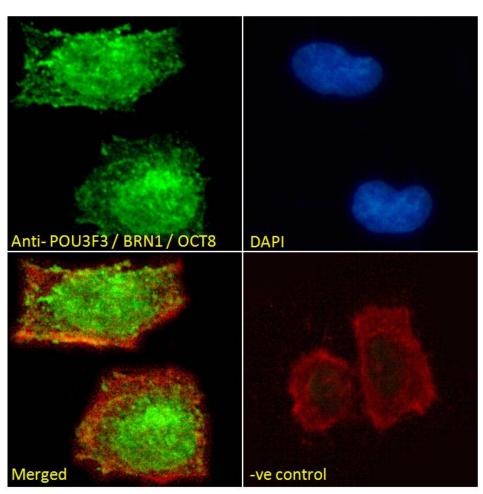
Species Reactivity

Tested: Mouse

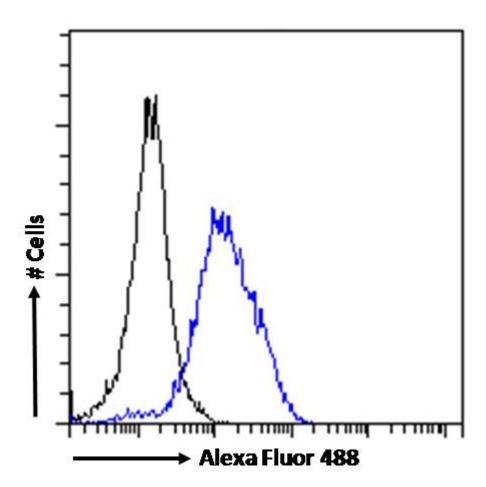
Expected from sequence similarity: Human, Mouse, Rat



EB10027 (1μg/ml) staining of Mouse Spinal Cord (A) and Brain (B) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB10027 Immunofluorescence analysis of paraformaldehyde fixed Neuro-2a cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing



EB10027 Flow cytometric analysis of paraformaldehyde fixed Neuro-2a cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). lgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.