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EB10025 - Goat Anti-POU3F2 / BRN2 / OCT7 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: BRN2, OCT7, OTF7, POU class 3 homeobox 2, POU domain, class 3, transcription factor 2, POUF3, POU3F2
Official Symbol: POU3F2
Accession Number(s): NP_005595.2
Human GeneID(s): 5454
Non-Human GeneID(s): 18992 (mouse), 29588 (rat)

Immunogen

Peptide with sequence C-AQSLVQGDYGALQSN, from the internal region (near N Terminus) of the protein sequence according to NP_005595.2.

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 1:8000.
Western blot: Approx 45kDa band observed in Human Brain (Cerebellum) and in Mouse and Rat Brain lysates (calculated MW of 46.9kDa according to Human NP_005595.2 and 47.1kDa according to Mouse NP_032925.1). Recommended concentration: 0.1-0.3µg/ml.

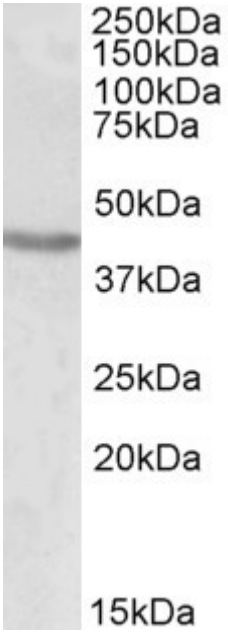
Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

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

Specific Reference

This antibody has been successfully used in the following paper:
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen
A high-throughput pipeline for validation of antibodies
Nat Methods. 2018 Nov;15(11):909-912
PMID: 30377371



EB10025 (0.1µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.