

Datasheet for 600-401-DR4**POU3F2 Antibody****Overview**

Description:	Anti-POU3F2 (RABBIT) Antibody - 600-401-DR4
Item No.:	600-401-DR4
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	POU3F2, also commonly known as brain-2, is a member of a family of POU domain genes expressed in mouse brain and is thought to be involved in the development of the neocortex and establishment of neural cell lineage. Recent studies suggest that POU3F2 may be involved with the development of neurodegenerative diseases as well as tumor development and proliferation. Along with the neural-lineage-specific transcription factors ASCL1 and MYT1L, POU3F2 can convert fibroblasts to functional neurons in vitro, a form of artificial stem cells termed induced neuronal (iN) cells, suggesting that these cells may be useful in the treatment of neurodegenerative diseases.
Synonyms:	POU3F2 Antibody, BRN2, OCT7, OTF7, OTF-7, POUF3, brn-2, oct-7, N-Oct3, BRN2, POU domain, class 3, transcription factor 2, Nervous system-specific octamer-binding transcription factor N-Oct-3, Brain-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	POU3F2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti- POU3F2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human POU3F2.
Purity/Specificity:	Anti-POU3F2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms are known to exist. This antibody will recognize both isoforms. POU3F2 antibody is predicted to not cross-react with other members of the POU domain class 3 family.
Relevant Links:	• UniProtKB - P20265 • GeneID - 5454 • NCBI - NP_005595

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-POU3F2 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 47 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

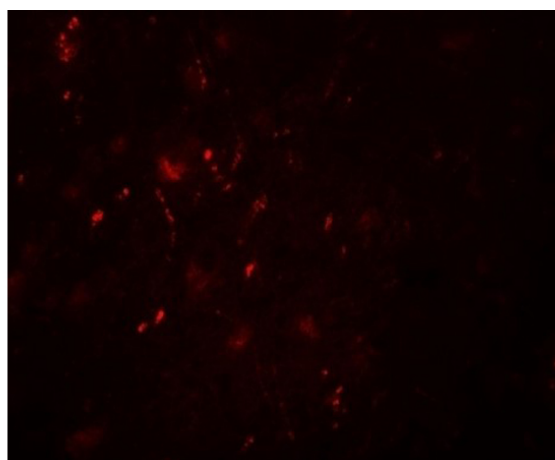
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

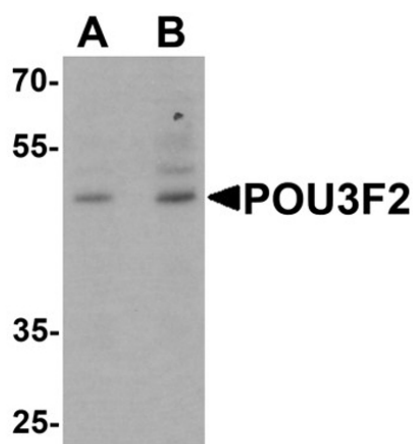


Immunofluorescence Microscopy

Immunofluorescence of POU3F2.

Tissue: human brain tissue.

Primary Antibody: POU3F2 antibody at 20 µg/mL.



Western Blot

Western blot analysis of POU3F2.

Load: 3T3 cell lysate.

Primary Antibody: POU3F2 antibody at (A) 1 and (B) 2 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.