

Rabbit POU3F2 Polyclonal Antibody | anti-POU3F2 antibody

POU3F2 Antibody

CATALOG # AAA40542	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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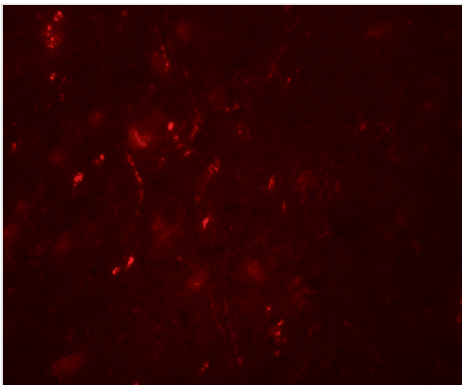
PRODUCT SYNONYMS

POU3F2; Polyclonal Antibody; POU3F2 Antibody; BRN2; OCT7; OTF7; OTF-7; POUF3; brn-2; oct-7; N-Oct3; POU domain; class 3; transcription factor 2; Nervous system-specific octamer-binding transcription factor N-Oct-3; Brain-2; POU class 3 homeobox 2; anti-POU3F2 antibody

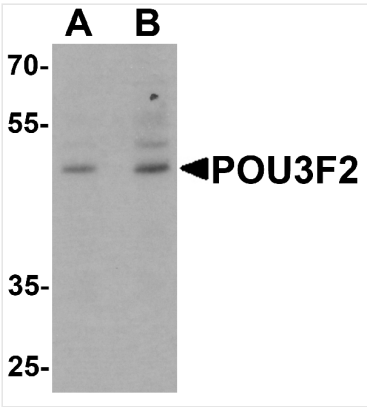
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	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.
Purity/Purification	POU3F2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	443
Applicable Applications for anti-POU3F2 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Rabbit polyclonal POU3F2 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human POU3F2.
Buffer	POU3F2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	POU3F2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of POU3F2 in human brain tissue with POU3F2 antibody at 20 µg/mL.



WB (Western Blot)
Western blot analysis of POU3F2 in 3T3 cell lysate with POU3F2 antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-POU3F2 antibody	POU3F2 Antibody: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51702521
NCBI GeneID	5454
NCBI Accession #	NP_005595
NCBI GenBank Nucleotide #	NM_005604.3
UniProt Accession #	P20265; Q14960; Q86V54; Q9UJL0
Molecular Weight	49 kDa
NCBI Official Full Name	POU domain, class 3, transcription factor 2
NCBI Official Synonym Full Names	POU class 3 homeobox 2
NCBI Official Symbol	POU3F2
NCBI Official Synonym Symbols	BRN2; OCT7; OTF7; OTF-7; POUF3; brn-2; oct-7; N-Oct3
NCBI Protein Information	POU domain, class 3, transcription factor 2; brain-2; octamer-binding protein 7; octamer-binding transcription factor 7; brain-specific homeobox/POU domain protein 2; nervous system-specific octamer-binding transcription factor N-Oct-3
UniProt Protein Name	POU domain, class 3, transcription factor 2
UniProt Gene Name	POU3F2
UniProt Synonym Gene Names	BRN2; OCT7; OTF7; Brain-2; Brn-2; Oct-7; OTF-7
UniProt Entry Name	PO3F2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/pou3f2-antibody-immunofluorescence-western-blot-elisa/40542>