

BRN2 / POU3F2 Antibody (aa240-290)
Rabbit Polyclonal Antibody
Catalog # ALS15279**Specification**

BRN2 / POU3F2 Antibody (aa240-290) - Product Information

Application	WB, IHC
Primary Accession	P20265
Reactivity	Human, Mouse, Rat, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa KDa

BRN2 / POU3F2 Antibody (aa240-290) - Additional Information**Gene ID** 5454**Other Names**

POU domain, class 3, transcription factor 2, Brain-specific homeobox/POU domain protein 2, Brain-2, Brn-2, Nervous system-specific octamer-binding transcription factor N-Oct-3, Octamer-binding protein 7, Oct-7, Octamer-binding transcription factor 7, OTF-7, POU3F2, BRN2, OCT7, OTF7

Target/Specificity

Human POU3F2

Reconstitution & Storage

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

Precautions

BRN2 / POU3F2 Antibody (aa240-290) is for research use only and not for use in diagnostic or therapeutic procedures.

BRN2 / POU3F2 Antibody (aa240-290) - Protein Information**Name** POU3F2**Synonyms** BRN2, OCT7, OTF7**Function**

Transcription factor that plays a key role in neuronal differentiation (By similarity). Binds preferentially to the recognition sequence which consists of two distinct half-sites, ('GCAT') and ('TAAT'), separated by a non-conserved spacer region of 0, 2, or 3 nucleotides (By similarity). Acts as a transcriptional activator when binding cooperatively with SOX4, SOX11, or SOX12 to gene promoters (By similarity). The combination of three transcription factors, ASCL1, POU3F2/BRN2 and MYT1L, is sufficient to reprogram fibroblasts and other somatic cells into induced neuronal (iN) cells in vitro (By similarity). Acts downstream of ASCL1, accessing chromatin that has been opened by ASCL1, and promotes transcription of neuronal genes (By similarity).

Cellular Location

Nucleus.

Tissue Location

Expressed specifically in the neuroectodermal cell lineage

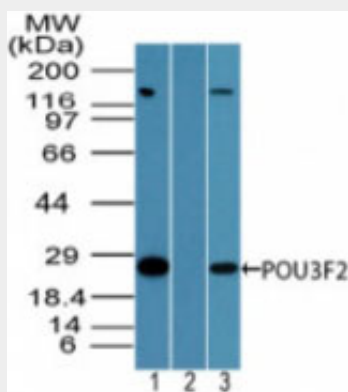
BRN2 / POU3F2 Antibody (aa240-290) - Protocols

Provided below are standard protocols that you may find useful for product applications.

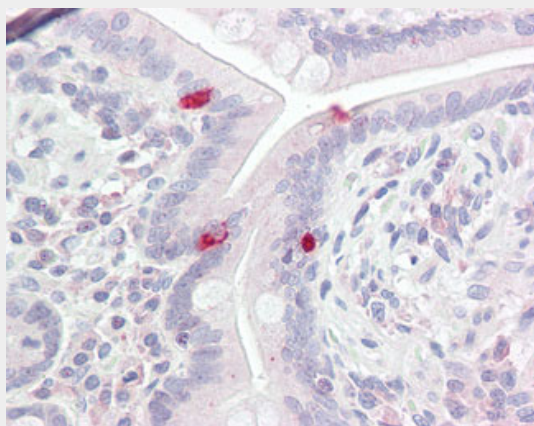
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)

- [Cell Culture](#)

BRN2 / POU3F2 Antibody (aa240-290) - Images

Western blot of POU3F2 in human Jurkat cell lysate in the 1) absence, 2) presence of immunizing...



Anti-BRN2 / POU3F2 antibody IHC of human small intestine.

BRN2 / POU3F2 Antibody (aa240-290) - Background

Transcription factor that binds preferentially to the recognition sequence which consists of two distinct half-sites, ('GCAT') and ('TAAT'), separated by a nonconserved spacer region of 0, 2, or 3 nucleotides. Positively regulates the genes under the control of corticotropin-releasing hormone (CRH) and CRH II promoters (By similarity).

BRN2 / POU3F2 Antibody (aa240-290) - References

Schreiber E.,et al.Nucleic Acids Res. 21:253-258(1993).
Angus J.,et al.Oncogene 11:691-700(1995).
Mungall A.J.,et al.Nature 425:805-811(2003).
He X.,et al.Nature 340:35-42(1989).
Waragai M.,et al.Hum. Mol. Genet. 8:977-987(1999).