

POU4F3 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3202a

Specification

POU4F3 Antibody (internal region) - Product Information

Application	WB
Primary Accession	Q15319
Other Accession	NP_002691.1 , 5459
Reactivity	Human, Mouse
Predicted	Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	37052

POU4F3 Antibody (internal region) - Additional Information

Gene ID 5459

Other Names

POU domain, class 4, transcription factor 3, Brain-specific homeobox/POU domain protein 3C, Brain-3C, Brn-3C, POU4F3, BRN3C

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

POU4F3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

POU4F3 Antibody (internal region) - Protein Information

Name POU4F3

Synonyms BRN3C

Function

Acts as a transcriptional activator (PubMed:<<http://www.uniprot.org/citations/18228599>>18228599). Acts by binding to sequences related to the consensus octamer motif 5'- ATGCAAAT-3' in the regulatory regions of its target genes (PubMed:<<http://www.uniprot.org/citations/18228599>>18228599). Involved in

the auditory system development, required for terminal differentiation of hair cells in the inner ear (By similarity).

Cellular Location

Nucleus. Cytoplasm Note=Preferentially localized in the nucleus

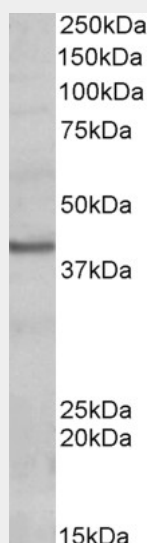
Tissue Location

Brain. Seems to be specific to the retina.

POU4F3 Antibody (internal region) - 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](#)

POU4F3 Antibody (internal region) - Images

AF3202a (0.2 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

POU4F3 Antibody (internal region) - Background

This antibody is expected not to cross-react to the similar POU4F1 and POU4F2.

POU4F3 Antibody (internal region) - References

Vestibular impairment in a Dutch DFNA15 family with an L289F mutation in POU4F3. van Drunen FJ, Pauw RJ, Collin RW, Kremer H, Huygen PL, Cremers CW, Audiology & neuro-otology 2009 14 (5): 303-7. PMID: 19372648