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POU3F3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13495c

Specification

POU3F3 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P20264
Other Accession	Q63262, P31361, P56222, P31360, P20265, P79745, NP_006227.1
Reactivity	**Human**
Predicted	**Zebrafish, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**50327**
Antigen Region	**294-323**

POU3F3 Antibody (Center) - Additional Information

Gene ID 5455

Other Names
POU domain, class 3, transcription factor 3, Brain-specific homeobox/POU domain protein 1, Brain-1, Brn-1, Octamer-binding protein 8, Oct-8, Octamer-binding transcription factor 8, OTF-8, POU3F3, BRN1, OTF8

Target/Specificity
This POU3F3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 294-323 amino acids from the Central region of human POU3F3.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
POU3F3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

POU3F3 Antibody (Center) - Protein Information

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Name POU3F3 (HGNC:9216)

Synonyms BRN1, OTF8

Function Transcription factor that acts synergistically with SOX11 and SOX4. Plays a role in neuronal development (PubMed:31303265). Is implicated in an enhancer activity at the embryonic met-mesencephalic junction; the enhancer element contains the octamer motif (5'-ATTTGCAT- 3') (By similarity).

Cellular Location
Nucleus.

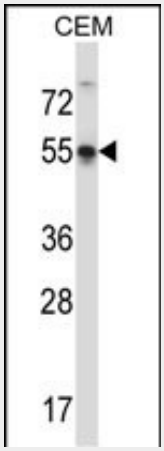
Tissue Location
Brain..

POU3F3 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

POU3F3 Antibody (Center) - Images



POU3F3 Antibody (Center) (Cat. #AP13495c) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the POU3F3 antibody detected the POU3F3 protein (arrow).

POU3F3 Antibody (Center) - Background

POU3F3 is a member of the class III POU family of transcription factors (see POU3F1; MIM 602479) that are expressed in the central nervous system. The POU domain in these proteins is required for high affinity binding to octamer DNA sequences (summarized by Sumiyama et al., 1996 [PubMed 8703082]).[supplied by

OMIM].

POU3F3 Antibody (Center) - References

Wissmuller, S., et al. Nucleic Acids Res. 34(6):1735-1744(2006)
Kuhlbrodt, K., et al. J. Biol. Chem. 273(26):16050-16057(1998)
Sumiyama, K., et al. Mamm. Genome 9(2):180-181(1998)
Malik, K.F., et al. Brain Res. Mol. Brain Res. 45(1):99-107(1997)
Sumiyama, K., et al. J. Mol. Evol. 43(3):170-178(1996)