10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

POU6F2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12281a

Product Information

Application	WB, E
Primary Accession	P78424
Other Accession	NP_001159490.1, NP_009183.3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	73265
Antigen Region	34-61

Additional Information

Gene ID	11281
Other Names	POU domain, class 6, transcription factor 2, Retina-derived POU domain factor 1, RPF-1, POU6F2, RPF1
Target/Specificity	This POU6F2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-61 amino acids from the N-terminal region of human POU6F2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	POU6F2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	POU6F2
Synonyms	RPF1
Function	Probable transcription factor likely to be involved in early steps in the differentiation of amacrine and ganglion cells. Recognizes and binds to the

DNA sequence 5'-ATGCAAAT-3'. Isoform 1 does not bind DNA.

Cellular Location Nucleus.

Tissue Location Expressed only within the CNS, where its expression is restricted to the medical habenulla, to a dispersed population of neurons in the dorsal hypothalamus, and to subsets of ganglion and amacrine cells in the retina.

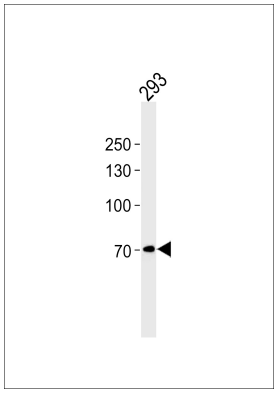
Background

This gene encodes a member of the POU protein family characterized by the presence of a bipartite DNA binding domain, consisting of a POU-specific domain and a homeodomain, separated by a variable polylinker. The DNA binding domain may bind to DNA as monomers or as homo- and/or heterodimers, in a sequence-specific manner. The POU family members are transcriptional regulators, many of which are known to control cell type-specific differentiation pathways. This gene is a tumor suppressor involved in Wilms tumor (WT) predisposition. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

References

Anney, R., et al. Hum. Mol. Genet. 19(20):4072-4082(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)
Di Renzo, F., et al. J. Pediatr. Hematol. Oncol. 28(12):791-797(2006)
Perotti, D., et al. J. Pediatr. Hematol. Oncol. 27(10):521-525(2005)

Images



POU6F2 Antibody (N-term) (Cat. #AP12281a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the POU6F2 antibody detected the POU6F2 protein (arrow).