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POU6F2 Rabbit pAb

Catalog # AP98535

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P78424
Other Accession	P78424
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73265
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human POU6F2
Epitope Specificity	531-640/691
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the POU transcription factor family. Class-6 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
DISEASE	Defects in POU6F2 are a cause of hereditary susceptibility to Wilms tumor 5 (WT5) [MIM:601583]. WT5 is a pediatric malignancy of kidney and one of the most common solid cancers in childhood.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	11281
Other Names	RPF-1; WT5; WTSL; D130006K24Rik; PO6F2_HUMAN; POU6F2; Retina-derived POU domain factor 1 (RPF-1); RPF1; PO6F2_MOUSE; POU class 6 homeobox 2; POU domain, class 6, transcription factor 2; Retina-derived POU-domain factor-1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.