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Rabbit Anti-POU6F2 antibody

SL6084R

Product Name:	POU6F2
Chinese Name:	转录因子RPF1抗体
Alias:	POU class 6 homeobox 2; POU domain class 6 transcription factor 2; Retina derived POU domain factor 1; RPF 1; RPF1; Wilms tumor suppressor locus; WT 5; WT5; WTSL; PO6F2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	73kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human POU6F2:531-640/691
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subcellular Location:
Nucleus

Tissue Specificity:
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.

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.

Similarity:
Belongs to the POU transcription factor family. Class-6 subfamily.
Contains 1 homeobox DNA-binding domain.
Contains 1 POU-specific domain.

SWISS:
P78424

Gene ID:
11281

Database links:

Entrez Gene: 11281Human

Entrez Gene: 218030Mouse

Entrez Gene: 364733Rat

Omim: 609062Human

SwissProt: P78424Human

SwissProt: Q8BJI4Mouse

Unigene: 137106Human

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.