Pax2 Rabbit mAb

Catalog No: #49231

Package Size: #49231-1 50ul #49231-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

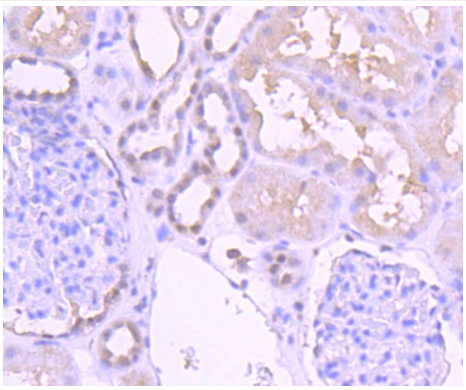
Description

Product Name	Pax2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ082-08
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	FSGS7 antibody Paired box 2 antibody Paired box gene 2 antibody paired box homeotic gene 2 antibody paired box protein 2 antibody Paired box protein Pax 2 antibody Paired box protein Pax-2 antibody Paired box protein Pax2 antibody PAPRS antibody Pax 2 antibody
Accession No.	Swiss-Prot#:Q02962
Uniprot	Q02962
GeneID	5076;
Calculated MW	45 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000IHC: 1:50-1:100

Images



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Pax2 antibody. Counter stained with hematoxylin.

Background

Pax genes contain paired domains with strong homology to genes in Drosophila which are involved in programming early development. The PAX2 gene is expressed in primitive cells of the kidney, ureter, eye, ear, and central nervous system. More specifically, in human embryo sections, PAX2 is

expressed in the optic vesicle and later in the retina, in the otic vesicle and later in the semicircular canals of the inner ear, and in mesonephros, metanephros, adrenals, spinal cord, and hindbrain. PAX2 mutations can be responsible for renal hypoplasia, either isolated or associated with various ophthalmologic manifestations ranging from retinal coloboma to microphthalmia. Lesions in the PAX6 gene accounts for most cases of aniridia, a congenital malformation of the eye, chiefly characterized by iris hypoplasia, which can cause blindness. PAX6 is involved in other anterior segment malformations besides aniridia, such as Peters anomaly, a major error in the embryonic development of the eye with corneal clouding with variable iridolenticulocorneal adhesions.

References

Note: This product is for in vitro research use only