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PAX2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17017c

Product Information

Application	WB, E
Primary Accession	Q02962
Other Accession	NP_003978.2, NP_000269.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36775
Calculated MW	44706
Antigen Region	187-216

Additional Information

Gene ID	5076
Other Names	Paired box protein Pax-2, PAX2
Target/Specificity	This PAX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 187-216 amino acids from the Central region of human PAX2.
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	PAX2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PAX2
Function	Transcription factor that may have a role in kidney cell differentiation (PubMed:24676634). Has a critical role in the development of the urogenital tract, the eyes, and the CNS.

Cellular Location	Nucleus.
Tissue Location	Expressed in primitive cells of the kidney, ureter, eye, ear and central nervous system

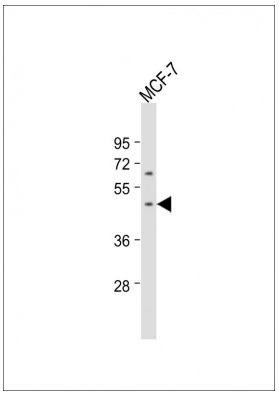
Background

PAX2 encodes paired box gene 2, one of many human homologues of the Drosophila melanogaster gene prd. The central feature of this transcription factor gene family is the conserved DNA-binding paired box domain. PAX2 is believed to be a target of transcriptional supression by the tumor supressor gene WT1. Mutations within PAX2 have been shown to result in optic nerve colobomas and renal hypoplasia. Alternative splicing of this gene results in multiple transcript variants.

References

Monte, N.M., et al. Cancer Res. 70(15):6225-6232(2010)
Ozcan, A., et al. Arch. Pathol. Lab. Med. 134(8):1121-1129(2010)
Quick, C.M., et al. Hum. Pathol. 41(8):1145-1149(2010)
Martinovic-Bouriel, J., et al. Am. J. Med. Genet. A 152A (4), 830-835 (2010) :
Rabban, J.T., et al. Am. J. Surg. Pathol. 34(2):137-146(2010)

Images



Anti-PAX2 Antibody (Center) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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