

Anti-Pax2 Picoband Antibody

Catalog # ABO12420

Product Information

Application	WB, IHC-P
Primary Accession	Q02962
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Paired box protein Pax-2(PAX2) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	5076
Other Names	Paired box protein Pax-2, PAX2
Calculated MW	44706
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Rat, Human
Subcellular Localization	Nucleus.
Tissue Specificity	Expressed in primitive cells of the kidney, ureter, eye, ear and central nervous system.
Source	Eukaryota
Protein Name	Paired box protein Pax-2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Pax2 (248-282aa RKHLRADTFTQQLEALDRVFERPSYPDVFAQSEH), identical to the related mouse sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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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

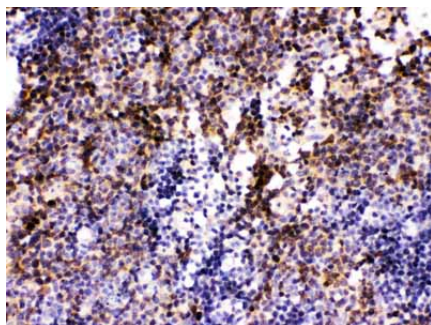
Background

Paired box gene 2, also known as PAX2, is a protein which in humans is encoded by the PAX2 gene. This gene is mapped to 10q24. 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 suppression by the tumor suppressor 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.

Images

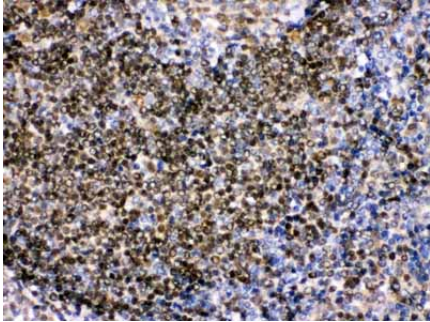
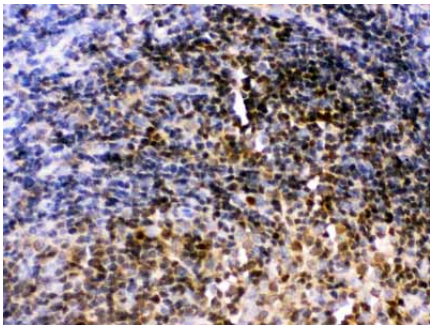


Anti- Pax2 Picoband antibody, ABO12420, Western blotting
All lanes: Anti Pax2 (ABO12420) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: Rat Lung Tissue Lysate at 50ug
Predicted bind size: 45KD
Observed bind size: 45KD



Anti- Pax2 Picoband antibody, ABO12420, IHC(P)
IHC(P): Mouse Lymphaden Tissue

Anti- Pax2 Picoband antibody, ABO12420, IHC(P)
IHC(P): Rat Lymphaden Tissue



Anti- Pax2 Picoband antibody, ABO12420,IHC(P)IHC(P):
Human Tonsil Tissue

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