

**Anti-Pax2 Picoband Antibody**  
**Catalog # ABO12420****Specification****Anti-Pax2 Picoband Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P              |
| Primary Accession | <a href="#">Q02962</a> |
| 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.

**Anti-Pax2 Picoband Antibody - Additional Information****Gene ID 5076****Other Names**

Paired box protein Pax-2, PAX2

**Calculated MW**

44706 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat<br> <br>Western blot, 0.1-0.5 µg/ml, Rat, Human<br>

**Subcellular Localization**

Nucleus.

**Tissue Specificity**

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

**Protein Name**

Paired box protein Pax-2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human Pax2 (248-282aa RKHLRADTFTQQQLEALDRVFERPSYPDVFQASEH), 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 r° Constitution, 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.

### Anti-Pax2 Picoband Antibody - Protein Information

Name PAX2

#### Function

Transcription factor that may have a role in kidney cell differentiation (PubMed:<a href="http://www.uniprot.org/citations/24676634" target="\_blank">24676634</a>). Has a critical role in the development of the urogenital tract, the eyes, and the CNS.

#### Cellular Location

Nucleus.

#### Tissue Location

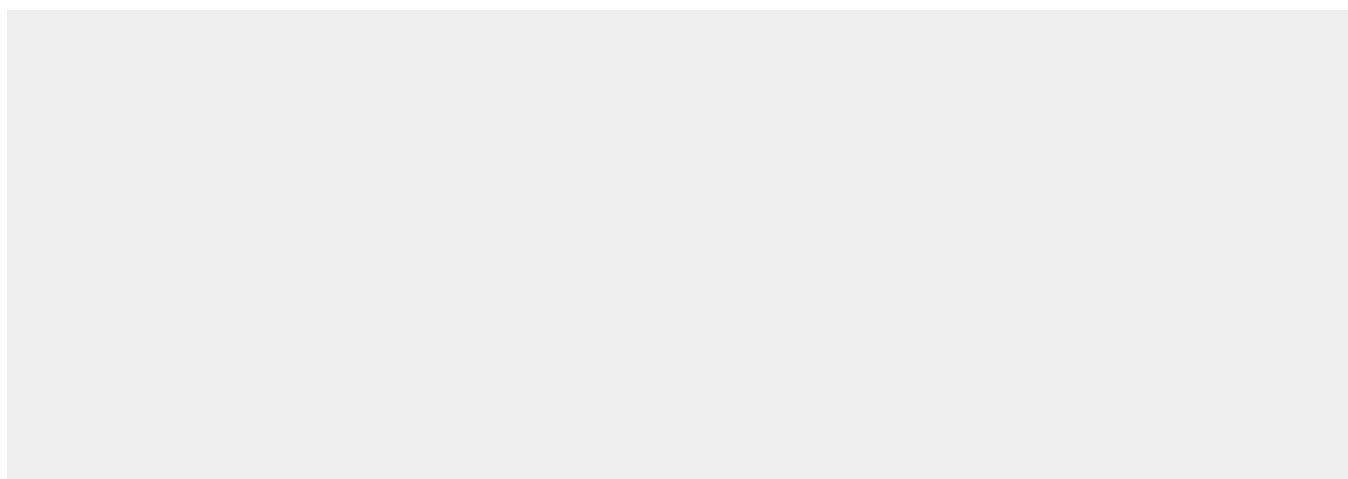
Expressed in primitive cells of the kidney, ureter, eye, ear and central nervous system

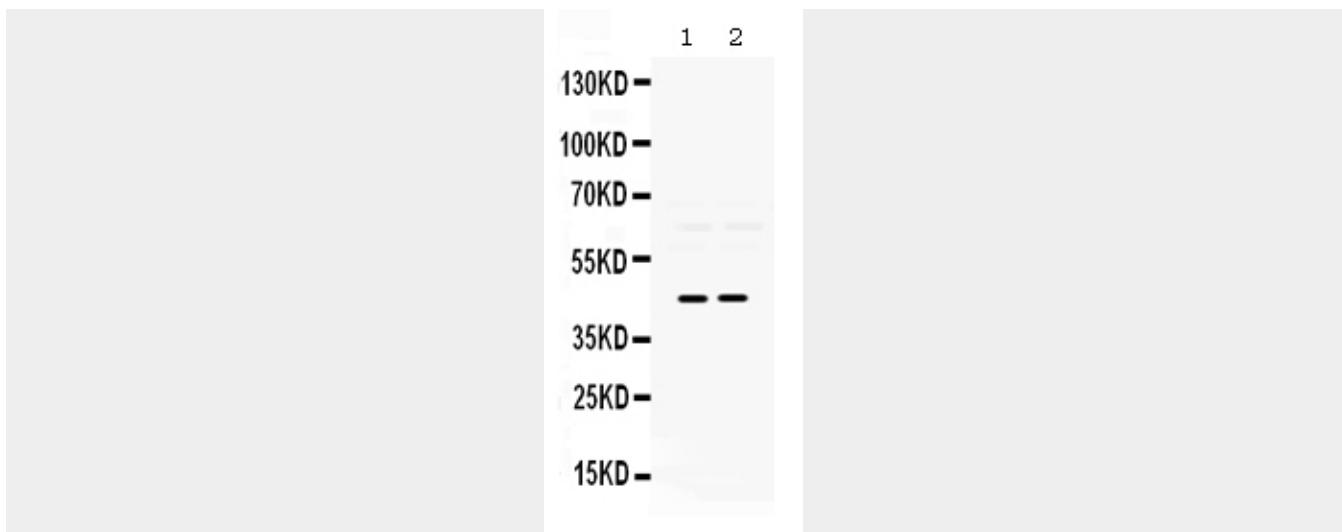
### Anti-Pax2 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

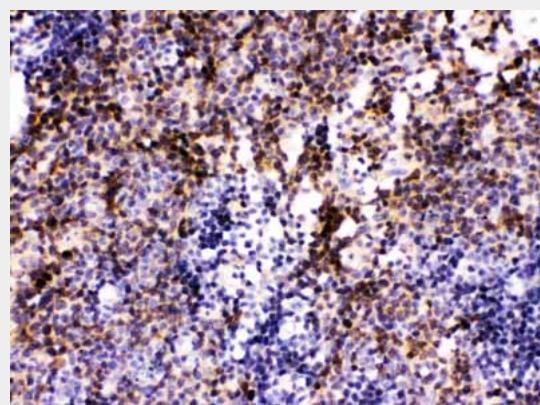
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-Pax2 Picoband Antibody - Images

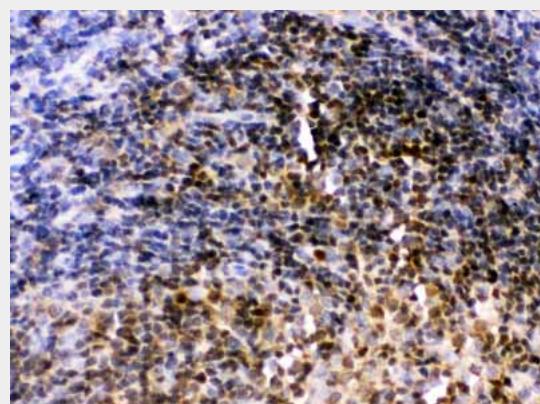




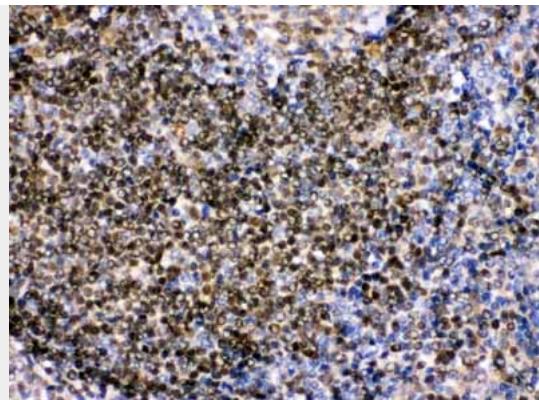
Anti- Pax2 Picoband antibody, ABO12420, Western blotting  
All lanes: Anti Pax2 (ABO12420) at 0.5ug/ml  
Lane 1: Rat Brain Tissue Lysate at 50ug  
Lane 2: Rat Lung Tissue Lysate at 50ug  
Predicted bind size: 45KD  
Observed bind size: 45KD



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

#### **Anti-Pax2 Picoband Antibody - 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.