

**Pax2 Antibody**  
**Rabbit mAb**  
**Catalog # AP90260**

### Specification

#### Pax2 Antibody - Product Information

|                                |                        |
|--------------------------------|------------------------|
| Application                    | WB, IHC, FC            |
| Primary Accession              | <a href="#">Q02962</a> |
| Reactivity                     | Human, Mouse           |
| Clonality                      | Monoclonal             |
| <b>Other Names</b>             |                        |
| PAX2; Paired box protein Pax-2 |                        |
| Isotype                        | Rabbit IgG             |
| Host                           | Rabbit                 |
| Calculated MW                  | 44706 Da               |

#### Pax2 Antibody - Additional Information

|                              |  |
|------------------------------|--|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500<br>FC~~1:10~50  |
| Purification                 | Affinity-chromatography  |
| Immunogen                    | A synthesized peptide derived from human Pax2  |
| Description                  | 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. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.  |

#### Pax2 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.

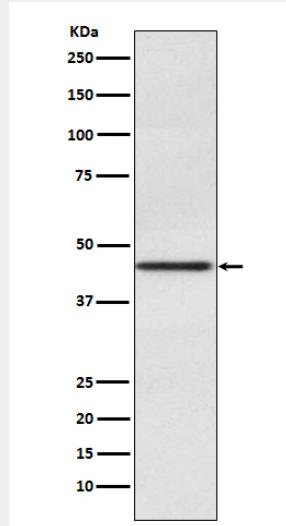
**Tissue Location**

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

**Pax2 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](#)

**Pax2 Antibody - Images**

Western blot analysis of Pax2 expression in Human fetal kidney lysate.