

**PAX6 Antibody**  
**Rabbit mAb**  
**Catalog # AP90909****Specification**

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**PAX6 Antibody - Product Information**

|  |                        |
|--|------------------------|
| Application  | WB, IHC, ICC           |
| Primary Accession  | <a href="#">P26367</a> |
| Reactivity   | Rat                    |
| Clonality  | Monoclonal             |
| <b>Other Names</b>   |                        |
| Paired box protein Pax-6; Aniridia type II protein; Oculorhombin; PAX6; AN2; |                        |
| Isotype  | Rabbit IgG             |
| Host   | Rabbit                 |
| Calculated MW  | 46683 Da               |

**PAX6 Antibody - Additional Information**

|                              |   |
|------------------------------|---|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500<br>ICC~~N/A  |
| Purification                 | Affinity-chromatography   |
| Immunogen                    | A synthesized peptide derived from human PAX6   |
| Description                  | Transcription factor with important functions in the development of the eye, nose, central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha cells (By similarity). Competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains (By similarity). Isoform 5a appears to function as a molecular switch that specifies target genes. |
| 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.   |

**PAX6 Antibody - Protein Information****Name** PAX6

## Synonyms AN2

### Function

Transcription factor with important functions in the development of the eye, nose, central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha cells (By similarity). Competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by establishing the correct progenitor domains (By similarity). Acts as a transcriptional repressor of NFATC1- mediated gene expression (By similarity).

### Cellular Location

Nucleus {ECO:0000250|UniProtKB:P63015}. [Isoform 5a]: Nucleus {ECO:0000250|UniProtKB:P63016}

### Tissue Location

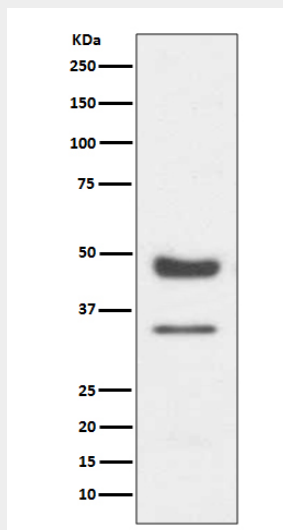
[Isoform 1]: Expressed in lymphoblasts.

## PAX6 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](#)

## PAX6 Antibody - Images



Western blot analysis of PAX6 expression in Human brain lysate.