

### **PAX6 Antibody**

Rabbit mAb Catalog # AP90909

## **Specification**

### **PAX6 Antibody - Product Information**

Application WB, IHC, ICC

Primary Accession P26367
Reactivity Rat

Clonality Monoclonal

**Other Names** 

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

IHC~~1:100~500

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**

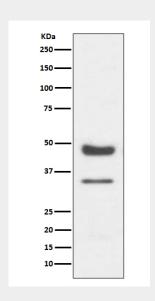
[Isoform 1]: Expressed in lymphoblasts.

### **PAX6 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **PAX6 Antibody - Images**



Western blot analysis of PAX6 expression in Human brain lysate.