

### Mouse Pax6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5488

# **Specification**

# Mouse Pax6 Antibody (C-term) - Product Information

Application WB,E
Primary Accession P63015
Reactivity Mouse, Rat
Host Rabbit
Clonality Polyclonal

Calculated MW M=47;H=47;R=47 KDa

Isotype Rabbit IgG
Antigen Source HUMAN

### Mouse Pax6 Antibody (C-term) - Additional Information

**Gene ID 18508** 

**Antigen Region** 

404-436

**Other Names** 

Paired box protein Pax-6, Oculorhombin, Pax6, Pax-6, Sey

**Dilution** 

WB~~1:1000

### Target/Specificity

This Mouse Pax6 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 404-436 amino acids from the C-terminal region of Mouse Pax6.

### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

# **Precautions**

Mouse Pax6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### Mouse Pax6 Antibody (C-term) - Protein Information

Name Pax6

Synonyms Pax-6, Sey

### **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 (PubMed:<a href="http://www.uniprot.org/citations/9163426" target="\_blank">9163426</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/23990468" target="blank">23990468</a>).

### **Cellular Location**

Nucleus. [Isoform 3]: Nucleus. Cytoplasm

### **Tissue Location**

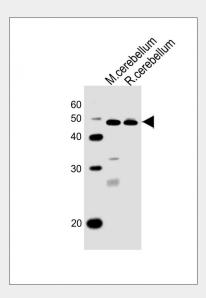
Expressed in osteoclasts. [Isoform 3]: Dominant isoform expressed in the eye, including in the retina and cornea (PubMed:21084637). Weakly expressed in the lens epithelium (PubMed:21084637)

# Mouse Pax6 Antibody (C-term) - Protocols

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

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

## Mouse Pax6 Antibody (C-term) - Images



All lanes : Anti-Pax6 Antibody (C-term) at 1:1000 dilution Lane 1: mouse cerebellum lysates Lane 2: rat cerebellum lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### Mouse Pax6 Antibody (C-term) - Background





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. 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).

### Mouse Pax6 Antibody (C-term) - References

Walther C., et al. Development 113:1435-1449(1991). Favor J., et al. Genetics 159:1689-1700(2001). Carninci P., et al. Science 309:1559-1563(2005). Walther C., et al. Genomics 11:424-434(1991). Ton C.C.T., et al. Genomics 13:251-256(1992).