

PAX6

Reactivity: Human

Tested applications: WB IHC IF FC

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:200 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW: 47kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human PAX6

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

AN; AN2; MGDA; WAGR; D11S812E

Catalog #: A4003

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5080

Isotype: IgG

Swiss Prot: P26367

Purity: Affinity purification

For research use only.

Background:

This gene encodes paired box gene 6, one of many human homologs of the *Drosophila melanogaster* gene *prd*. In addition to the hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA and function as regulators of gene transcription. This gene is expressed in the developing nervous system, and in developing eyes. Mutations in this gene are known to cause ocular disorders such as aniridia and Peter's anomaly. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

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