

## PAX6

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 47kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human PAX6

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

AN; AN2; FVH1; MGDA; WAGR; D11S812E;

**Catalog #:** A7334

**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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