

## Product datasheet for **AP55134PU-N**

### **PAX6 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Human, Mouse, Rat, Xenopus, Zebrafish
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Synthetic peptide derived from internal part of Human PAX6 protein
<b>Specificity:</b>	Reacts with the Human 95 kDa PAX6 protein. Cross react with Mouse, Rat, Chicken, Zebrafish, Xenopus laevis and other species due to sequence homology.
<b>Formulation:</b>	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized purified antibody Preservative: None
<b>Reconstitution Method:</b>	Restore in distilled water.
<b>Purification:</b>	Affinity Chromatography on Protein A
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	paired box 6
<b>Database Link:</b>	<a href="#">Entrez Gene 5080 Human P26367</a>
<b>Background:</b>	PAX6 is a transcription factor with important functions in the development of the eye, nose, central nervous system and pancreas. PAX6 is required for the differentiation of pancreatic islet alpha cells and competes with PAX4 in binding to a common element in the glucagon, insulin and somatostatin promoters. The Pax6-5A isoform appears to function as a molecular switch that specifies target genes.



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**Synonyms:** Pax-6, Aniridia type II protein, AN2, Oculorhombin