

# PAX6 Rabbit Polyclonal Antibody

## Description

Product type Primary Antibody

Code BT-AP11794

Host Rabbit

Isotype IgG

Size 100ul, 50ul, 20ul

Immunogen Synthesized peptide derived from human PAX6

Mol wt 46420

Species reactivity Human, Rat, Mouse

**Clonality** Polyclonal

Recommended application WB, ELISA

Concentration 1 mg/ml

Full name PAX6

Synonyms PAX6; Paired box protein Pax-6; Aniridia type II protein; Oculorhombin

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

# Background

This gene encodes a homeobox and paired domain-containing protein that binds DNA and functions as a regulator of transcription. Activity of this protein is key in the development of neural tissues| particularly the eye. This gene is regulated by multiple enhancers located up to hundreds of kilobases distant from this locus. Mutations in this gene or in the enhancer regions can cause ocular disorders such as aniridia and Peter's anomaly. Use of alternate promoters and alternative splicing result in multiple transcript variants encoding different isoforms.

#### Recommended Dilution

WB: 1: 1000 - 1: 2000 ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

# **Images**

No images.

## Storage

-20°C for 1 year