

## Goat anti-PAX6 (internal) Antibody

**Item Number** dAP-1131

**Target Molecule** Principle Name: PAX6 (internal); Official Symbol: PAX6; All Names and Symbols: PAX6; paired box gene 6 (aniridia, keratitis); AN; AN2; D11S812E; MGC17209; MGDA; WAGR; paired box gene 6; paired box homeotic gene 6 (aniridia, keratitis); paired box homeotic gene-6; Accession Number (s): NP\_000271.1; NP\_001595.2; Human Gene ID(s): 5080; Non-Human GeneID(s): 18508 (mouse) 25509 (rat)

**Immunogen** REEKLRNQRRQASN, is from internal region  
This antibody is expected to recognise both reported isoforms (NP\_000271.1 and NP\_001595.2).

**Applications** Pep ELISA, WB

Species Tested: Mouse

**Purification** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**Supplied As** lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.  
Aliquot and store at -20°C. Minimize freezing and thawing.

**Peptide ELISA** Peptide ELISA: antibody detection limit dilution 1 to 32000.

**Western Blot** Western Blot: Approx 50kDa band observed in Mouse Eye lysates (calculated MW of 48.2kDa according to Human NP\_001595.2, and to Mouse NP\_038655.1). Recommended concentration: 0.3-1µg/ml.

**IHC**

**Reference** Reference(s): von Holst A, Egbers U, Prochiantz A, Faissner A. Neural stem/progenitor cells express 20 tenascin C isoforms that are differentially regulated by pax6. *J Biol Chem.* 2007 Feb 12; [Epub ahead of print]. PMID: 17264084 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**