

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07772 - Goat Anti-PAX6 (internal) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 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

**Official Symbol:** PAX6

**Accession Number(s):** NP\_000271.1; NP\_001595.2; NP\_001297088.1; NP\_001355839.1; NP\_001355840.1; NP\_001355841.1; NP\_001355844.1; NP\_001355847.1; NP\_001355849.1; NP\_001355850.1; NP\_001355851.1; NP\_001355857.1; NP\_001355858.1; NP\_001355859.1

**Human GeneID(s):** [5080](#)

**Non-Human GeneID(s):** 18508 (mouse), 25509 (rat)

**Important Comments:** This antibody is expected to recognize all reported isoforms: NP\_000271.1; NP\_001595.2; NP\_001297088.1; NP\_001355839.1; NP\_001355840.1; NP\_001355841.1; NP\_001355844.1; NP\_001355847.1; NP\_001355849.1; NP\_001355850.1; NP\_001355851.1; NP\_001355857.1; NP\_001355858.1; NP\_001355859.1.

### Immunogen

Peptide with sequence C-REEKLRNQRRQASN, from the internal region of the protein sequence according to NP\_000271.1; NP\_001595.2; NP\_001297088.1; NP\_001355839.1; NP\_001355840.1; NP\_001355841.1; NP\_001355844.1; NP\_001355847.1; NP\_001355849.1; NP\_001355850.1; NP\_001355851.1; NP\_001355857.1; NP\_001355858.1; NP\_001355859.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

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

Supplied at 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.

### Applications Tested

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

**Western blot:** Approx 26kDa band observed in lysates of cell lines U251 and RAW264.7 and in nuclear lysates of cell lines K562 and HeLa, all successfully blocked by incubation with the immunising peptide (calculated MW of 24.8kDa according to Human NP\_001355859.1 and 31.8 according to Mouse NP\_001297075.1). Recommended concentration: 0.03-1µg/ml. Primary incubation 1 hour at room temperature.

**Flow Cytometry:** Flow cytometric analysis of U251 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow

EB07772 (0.3µg/ml) staining of U251 (A), (0.03ug/ml) nuclear K562 (B) and (1ug/ml) nuclear HeLa (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

.EB07772 (0.5µg/ml) staining of RAW264.7 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07772 Flow cytometric analysis of paraformaldehyde fixed U251 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.