

## UK Office

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

## EB05513 - Goat Anti-PAX8 (N Terminus) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PAX8, paired box gene 8, paired domain gene 8, paired box 8

**Official Symbol:** PAX8

**Accession Number(s):** NP\_003457.1; NP\_039245.1; NP\_039246.1; NP\_039247.1;  
NP\_054698.1

**Human GeneID(s):** [7849](#)

**Non-Human GeneID(s):** 18510 (mouse), 81819 (rat)

**Important Comments:** This antibody is expected to recognise all five human isoforms (as represented by NP\_003457.1; NP\_039245.1; NP\_039246.1; NP\_039247.1; NP\_054698.1)

### Immunogen

Peptide with sequence PHNSIRSGHGGLN-C, from the N Terminus of the protein sequence according to NP\_003457.1; NP\_039245.1; NP\_039246.1; NP\_039247.1; NP\_054698.1.

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 1:128000.

**Western blot:** Approx 35kDa band observed in Human Kidney lysates. An additional 48kDa was also observed in some Kidney and HeLa cell lysates (calculated MW of 34.9kDa according to Human NP\_039247.1 PAX8D and 48.2kDa according to Human NP\_003457.1 PAXA). Recommended concentration: 1-2µg/ml. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on Mouse and Rat Liver, and NIH3T3 for this particular batch.

**IHC:** Paraffin embedded Human Kidney Cortex. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

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

EB05513 (1µg/ml) staining of Human Kidney (A) and HeLa cell (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05513 (5µg/ml) staining of paraffin embedded Human Kidney Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.