

## UK Office

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

## EB10585 - Goat Anti-NOX5 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NOX5, NADPH oxidase, EF-hand calcium binding domain 5, MGC149776, MGC149777, NADPH oxidase 5, OTTHUMP00000164443, OTTHUMP00000164444

**Official Symbol:** NOX5

**Accession Number(s):** NP\_078781.3; NP\_001171708.1; NP\_001171709.1

**Human GeneID(s):** [79400](#)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_078781.3; NP\_001171708.1; NP\_001171709.1).

### Immunogen

Peptide with sequence C-EWHPFTISSAPEQKD, from the internal region of the protein sequence according to NP\_078781.3; NP\_001171708.1; NP\_001171709.1.

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. 70-75kDa band observed in lysates of cell lines HeLa and Caco-2, and in Human Adrenal Gland lysates (calculated MW of 83.1kDa according to NP\_001171709.1). This molecular weight is observed by other commercial sources, and was blocked by incubation with the immunizing peptide. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

**Positive Control:** A batch specific positive control lysate is available for this product. Please contact [Sales@everestbiotech.com](mailto:Sales@everestbiotech.com) for availability.

### Species Reactivity

**Tested:** Human

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



EB10585 (1 $\mu$ g/ml) staining of HeLa (A) and Caco-2 (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10585 (1.5 $\mu$ g/ml) staining of Human Adrenal Gland lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.