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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 for availability.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog, Cow



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



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