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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 1:8000.

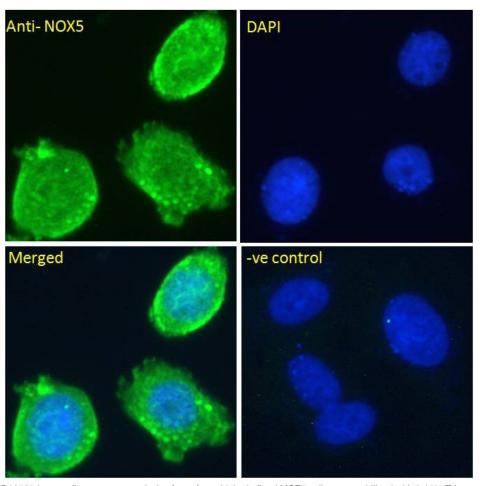
Western blot: Approx 90kDa band observed in Human Testis lysates (calculated MW of 86.4kDa according to NP_078781.3). Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the plasma membrane and cytoplasm of HeLa and MCF7 cells. Recommended concentration:10ug/ml.

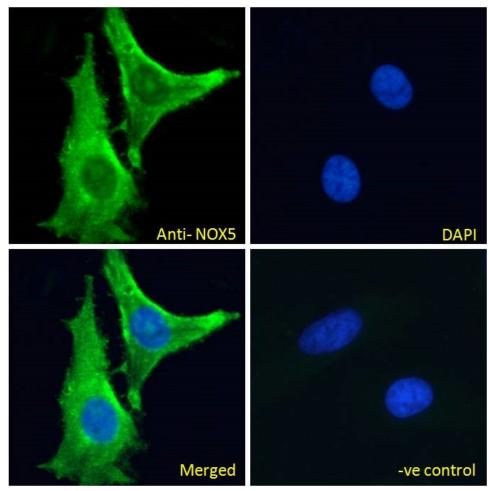
Species Reactivity

Tested: Human

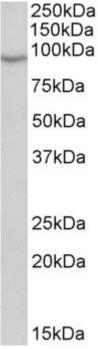
Expected from sequence similarity: Human, Dog, Cow



EB10585 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing staining within the cytoplasm and plasma membrane. The nuclear stain is DAPI (blue).Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10585 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing staining within the cytoplasm and plasma membrane . The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10585 (0.5μg/ml) staining of Human Testis lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.