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Research Use Only. Not for diagnostic or therapeutic use.

EB10578 - Goat Anti-NOX1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: NOX1, NADPH oxidase 1, GP91-2, MOX1, NOH-1, NOH1, MOX-1, NADH/NADPH mitogenic oxidase subunit P65-MOX, NADPH oxidase 1 variant NOH-1L, NADPH oxidase homolog-1, NOX-1, mitogenic oxidase (pyridine nucleotide-dependent

superoxide-generating), mitogenic oxidase 1

Official Symbol: NOX1

Accession Number(s): NP_008983.2; NP_39249.1

Human GeneID(s): 27035

Non-Human GenelD(s): 237038 (mouse)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_008983.2; NP_39249.1).

Immunogen

Peptide with sequence C-DKATDIVTGLKQK, from the internal region of the protein sequence according to NP_008983.2; NP_39249.1.

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

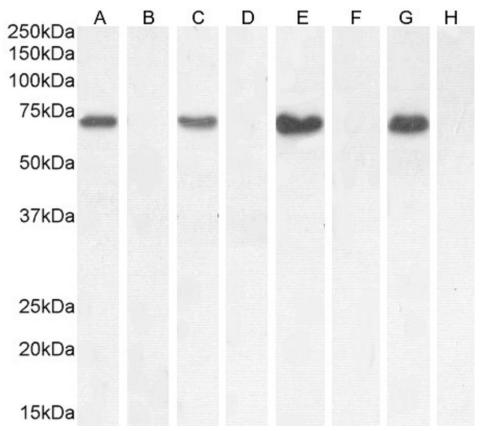
Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 70-72kDa band observed in lysates of cell lines A549, CaCo-2, HeLa and U937, (calculated MW of 64.9kDa according to NP_008983.2;). This molecular weight is routinely observed by other sources and was successfully blocked by incubation with the immunising peptide. Recommended concentration: 0.3-1ug/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB10578 (0.5μg/ml) staining of CaCo-2 (A) + peptide (B), HeLa (C) + peptide (D), A549 (E) + peptide (F) and U937 (G) + peptide (H) cell lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.