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Research Use Only. Not for diagnostic or therapeutic use.

EB10581 - Goat Anti-GP91-PHOX / NOX2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CYBB, cytochrome b-245, beta polypeptide, CGD, GP91-1, GP91-PHOX, GP91PHOX, NOX2, p91-PHOX, CGD91-phox, cytochrome b(558) subunit beta, cytochrome b-245 heavy chain, cytochrome b558 subunit beta, heme-binding membrane glycoprotein gp91pho

Official Symbol: CYBB

Accession Number(s): NP_000388.2

Human GeneID(s): 1536

Non-Human GenelD(s): 13058 (mouse), 66021 (rat)

Immunogen

Peptide with sequence CDKQEFQDAWKLPK, from the internal region of the protein sequence according to NP_000388.2.

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

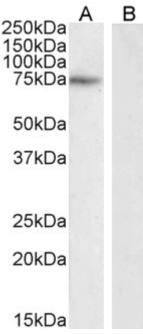
Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx 75kDa band observed in lysates of cell line Daudi and in Mouse Spleen lysates (calculated MW of 65.3kDa according to Human NP_000388.2 and Mouse NP_031833.3). This band was successfully blocked by incubation with the mmunising peptide, and corresponds to the glycosylated form as described in the literature (V. Munnamalai et al, 2014: PMID: 24702317 and J. Van Buul er al, 2005: PMID: 15706079) Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB10581 (1μg/ml) staining of Daudi cell lysate (A) + peptide (B) (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB10581 (1μg/ml) staining of Mouse Spleen lysate (A) + peptide (B) (35μg protein in RIPA buffer). Detected by chemiluminescence.