



## UK Office

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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 GeneID(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 immunising peptide, and corresponds to the glycosylated form as described in the literature (V. Munnamalai et al, 2014: PMID: 24702317 and J. Van Buul et 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 (1 $\mu$ g/ml) staining of Daudi cell lysate (A) + peptide (B) (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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