

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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**

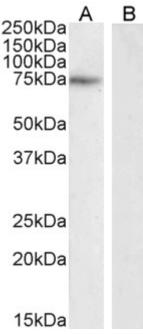
Peptide ELISA: antibody detection limit dilution 1:8000.

**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.