



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti-CYBB / GP91-PHOX

With HRP-conjugated Secondary Antibody

Catalog No.

126-10136

Target Species

Human

Accession Number

NP_000388.2

Target Protein

Principal Names: cytochrome b-245, beta polypeptide, NOX2, GP91PHOX, GP91-PHOX, GP91-1, CGD, cytochrome b-245, beta polypeptide (chronic granulomatous disease), CYBB

Official Symbol: CYBB

Accession Number(s): NP_000388.2

Human GeneID(s): 1536

Immunogen

Peptide with sequence C-SYLNFAKRIKNP, from the internal region of the protein sequence according to NP_000388.2.

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 1:2000.

Western blot: Approx 85Da band observed in Human Peripheral Blood Mononucleocytes lysates (calculated MW of 65.3kDa according to NP_000388.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Teahan et al, Nature. 1987 Jun 25-Jul 1;327(6124):720-1. PMID: 3600769). Recommended concentration: 0.03-0.1µg/ml.

Species Reactivity

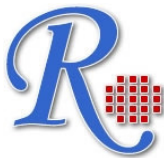
Tested: Human

Expected from sequence similarity: Human, Dog

Background Reference

Zhu C, Lindsey S, Konieczna I, Eklund EA. Constitutive activation of SHP2 protein tyrosine phosphatase inhibits ICSBP-induced transcription of the gene encoding gp91PHOX during myeloid differentiation. J Leukoc Biol. 2008 Mar;83(3):680-91. **PMID:** 18089853

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

Images



126-10136 (1 μ g/ml) (0.03 μ g/ml) staining of Human Peripheral Blood Mononucleocytes lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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