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Research Use Only. Not for diagnostic or therapeutic use.

EB10589 - Goat Anti-p47phox (mouse) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Ncf1, neutrophil cytosolic factor 1, NOXO2, Ncf-1, p47<phox>, p47phox, 47 kDa neutrophil oxidase factor, NADPH oxidase subunit (47 kD), NADPH oxidase subunit (47kDa), OTTMUSP00000022112, neutrophil NADPH oxidase factor 1,

neutrophil cytosol facto Official Symbol: Ncf1

Accession Number(s): NP_035006.3

Human GeneID(s): 653361

Non-Human GenelD(s): 17969 (mouse), 114553 (rat)

Immunogen

Peptide with sequence C-DEAEDPDPNYAGEP, from the internal region of the protein sequence according to NP_035006.3.

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 1:2000.

Western blot: Approx 48kDa band observed in lysates of cell line Daudi and in preliminary testing of Mouse Spleen lysate (calculated MW of 44.7kDa according to Human NP_000256.4. This molecular weight is routinely observed by other sources. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence:Expression of the protein seen in the cytoplasm and plasma membrane of NIH3T3 and RAW264.7 cells. Recommended concentration: 10µg/ml.

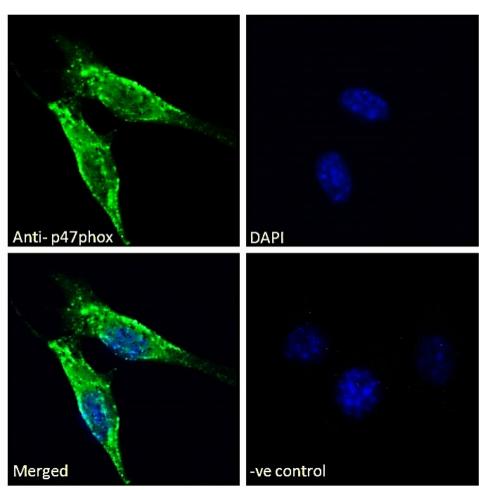
Species Reactivity

Tested: Human, Mouse

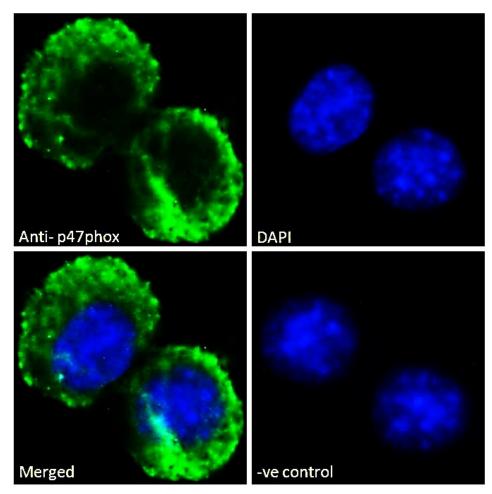
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



 $EB10589\ (1\mu\text{g/ml})\ staining\ of\ Daudi\ cell\ lysate\ (35\mu\text{g}\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$



EB10589 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10589 Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).