



Goat anti-NCF1 / p47phox Antibody

Item Number	dAP-0027
Target Molecule	Principle Name: NCF1 / p47phox; Official Symbol: NCF1; All Names and Symbols: NCF1; p47phox; FLJ79451; NCF1A; NOXO2; SH3PXD1A; neutrophil cytosolic factor 1; Neutrophil cytosolic factor-1 (47kD); neutrophil cytosolic factor 1 (47kD, chronic granulomatous disease, autosomal 1); NADPH oxidase organizer 2; Accession Number (s): NP_000256.3; Human Gene ID(s): 653361; Non-Human GeneID(s): 17969 (mouse) 114553 (rat)
Immunogen	SESTKRKLASAV, is from C Terminus
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Pig
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 20000.
Western Blot	Western Blot: Approx 48kDa band observed in lysates of cell line U937 and of Mouse Thymus, and 50kDa observed in Pig Spleen lysates (calculated MW of 44.7kDa according to NP_000256.3). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hou
IHC	Immunohistochemistry: Paraffin embedded Human Colon, Neutrophils. Recommended concentration: 5µg/ml.
Reference	Reference(s): Davidson-Moncada JK, Lopez-Lluch G, Segal AW, Dekker LV Involvement of protein kinase D in Fc gamma-receptor activation of the NADPH oxidase in neutrophils. Biochem J 2002 Apr 1;363(Pt 1):95-103.PMID: 11903052->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**