

Goat anti-NOX1 Antibody

Item Number	dAP-2427
Target Molecule	Principle Name: NOX1; Official Symbol: NOX1; All Names and Symbols: NOX1; NADPH oxidase 1; GP91-2; MOX1; NOH-1; NOH1; MOX-1; NADH/NADPH mitogenic oxidase subunit P65-MOX; NADPH oxidase 1 variant NOH-1L; NADPH oxidase homolog-1; NOX-1; mitogenic oxidase (pyridine nucleotide-dependent superoxide-generating); mitogenic oxidase; Accession Number (s): NP_008983.2; NP_39249.1; Human Gene ID(s): 27035; Non-Human GeneID(s): 237038 (mouse)
Immunogen	DKATDIVTGLKQK, is from internal region This antibody is expected to recognize both reported isoforms (NP_008983.2; NP_39249.1).
Applications	Pep ELISA, WB Species Tested: Human
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 128000.
Western Blot	Western Blot: Approx 55kDa band observed in lysates of cell line epithelial colorectal adenocarcinoma and HeLa (calculated MW of 59kDa according to NP_39249.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Manea A, Tanase LI, Raicu M, Simionescu M, Transcriptional regulation of NADPH oxidase isoforms, Nox1 and Nox4, by nuclear factor-kappaB in human aortic smooth muscle cells. Biochemical and biophysical research communications 2010 Jun 396 (4): 901-7..PMID: 20457132->

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**