

Goat anti-DUOX1 (aa972-985) Antibody

Item Number	dAP-2927
Target Molecule	Principle Name: DUOX1 (aa972-985); Official Symbol: DUOX1; All Names and Symbols: DUOX1; dual oxidase 1; LNOX1; MGC138840; MGC138841; NOXEF1; THOX1; NADPH thyroid oxidase 1; flavoprotein NADPH oxidase; large NOX 1; long NOX 1; nicotinamide adenine dinucleotide phosphate oxidase; thyroid oxidase 1; Accession Number (s): NP_059130.2; Human Gene ID(s): 53905; Non-Human GeneID(s):
Immunogen	CSRSDIETELTPQR, is from internal region Reported variants represent identical protein: NP_787954.1, NP_059130.2. This antibody is not expected to cross-react with DUOX2.
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 170kDa band observed in Human Testis lysates (calculated MW of 177kDa according to NP_059130.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed.
IHC	
Reference	Reference(s): Harper RW, Xu C, Eiserich JP, Chen Y, Kao CY, Thai P, Setiadi H, Wu R. Differential regulation of dual NADPH oxidases/peroxidases, Duox1 and Duox2, by Th1 and Th2 cytokines in respiratory tract epithelium. FEBS Lett. 2005 Aug 29;579(21):4911-7..PMID: 16111680->

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**