

Goat anti-Dual oxidase 1 Antibody

Item Number	dAP-1396
Target Molecule	Principle Name: Dual oxidase 1; Official Symbol: DUOX1 ; All Names and Symbols: DUOX1 ; dual oxidase 1 ; LNOX1; MGC138840; MGC138841; NOXEF1; THOX1; NADPH thyroid oxidase 1; flavoprotein NADPH oxidase; nicotinamide adenine dinucleotide phosphate oxidase; Accession Number (s): NP_059130.2 ; NP_787954.1; Human Gene ID(s): 53905; Non-Human GeneID(s):
Immunogen	EKFQRSCLHQTQV, is from internal region This antibody is expected to recognise both reported isoforms (NP_059130.2 ; NP_787954.1) which are identical;
Applications	Pep ELISA, IHC 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 32000.
Western Blot	Western Blot: Preliminary experiments in Human Placenta and Thyroid Gland lysates gave no specific signal but low background (at antibody concentration up to 0.5µg/ml). We would appreciate any feedback from people in the field - have any results been rep
IHC	Immunohistochemistry: In paraffin embedded Human Thyroid shows staining of membranes in epithelial cells of the gland. Recommended concentration, 4-6µg/ml.
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**