

## Goat anti-Dual oxidase 1 Antibody

<b>Item Number</b>	dAP-1396
<b>Target Molecule</b>	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 GenelD(s):
<b>Immunogen</b>	EKFQRSLHQTVQ, is from internal region This antibody is expected to recognise both reported isoforms (NP_059130.2 ; NP_787954.1) which are identical;
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	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
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Thyroid shows staining of membranes in epithelial cells of the gland. Recommended concentration, 4-6µg/ml.
<b>Reference</b>	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 end users! This product is sold for **Research Use Only**