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Dual oxidase 1 Antibody

DUOX1, dual oxidase 1, LNOX1, MGC138840, MGC138841, NOXEF1, THOX1, NADPH thyroid oxidase 1, flavoprotein NADPH oxidase, nicotinamide adenine dinucleotide phosphate oxidase

CATALOG NO.: 45-501

HOST:
Goat

CLONALITY:
Polyclonal

INFORMATION:
Dual oxidase 1 Antibody. This antibody is expected to recognise both reported isoforms (NP_059130.2 ; NP_787954.1) which are identical;

SOURCE:
Dual oxidase 1 antibody was raised against a synthetic peptide of Dual oxidase 1.

PROTEIN ACCESSION NUMBER(S) :
NP_059130.2 , NP_787954.1

SPECIES REACTIVITY:
Human

TESTED APPLICATION:
E

APPLICATION:
Peptide ELISA: antibody detection limit dilution 1:32,000. 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).

PURIFICATION:
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:
0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

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.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.