

DUOX1 Polyclonal Antibody

Catalog No: #31607

Package Size: #31607-1 50ul #31607-2 100ul

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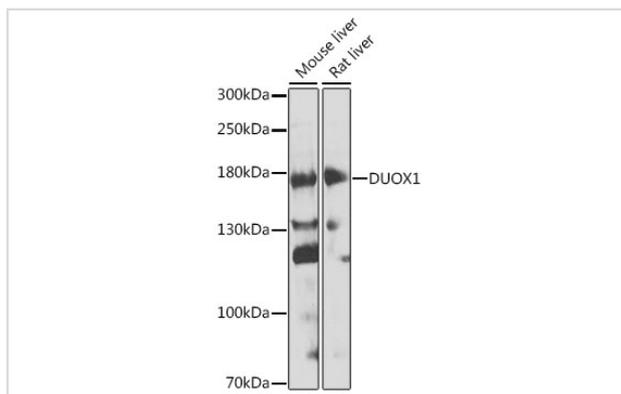
Description

Product Name	DUOX1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Ms,Rt
Immunogen Description	Recombinant fusion protein of human DUOX1 (NP_059130.2).
Other Names	DUOX1; LNOX1; NOXEF1; THOX1; dual oxidase 1
Accession No.	Swiss-Prot#:Q9NRD9NCBI Gene ID:53905
Calculated MW	180kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using DUOX1 antibody.

Background

The protein encoded by this gene is a glycoprotein and a member of the NADPH oxidase family. The synthesis of thyroid hormone is catalyzed by a protein complex located at the apical membrane of thyroid follicular cells. This complex contains an iodide transporter, thyroperoxidase, and a peroxide generating system that includes proteins encoded by this gene and the similar DUOX2 gene. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain. This protein generates hydrogen peroxide and thereby plays a role in the activity of thyroid peroxidase, lactoperoxidase, and in lactoperoxidase-mediated antimicrobial defense at mucosal surfaces. Two alternatively spliced transcript variants encoding the same protein have been described for this gene.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.