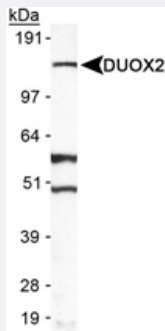


DUOX2 polyclonal antibody

Catalog # PAB12443 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of DUOX2 in A-549 in cell lysate using DUOX2 polyclonal antibody (Cat # PAB12443).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DUOX2.
Immunogen	A synthetic peptide corresponding to amino acids 400-500 of human DUOX2.
Host	Rabbit
Reactivity	Dog, Human, Mouse, Pig, Rat
Form	Liquid
Recommend Usage	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (30% glycerol, 0.09% sodium azide)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of DUOX2 in A-549 in cell lysate using DUOX2 polyclonal antibody (Cat # PAB12443).

Gene Info — DUOX2

Entrez GeneID	50506
Protein Accession#	Q9NRD8
Gene Name	DUOX2
Gene Alias	LNOX2, NOXEF2, P138-TOX, THOX2
Gene Description	dual oxidase 2
Omim ID	606759 607200
Gene Ontology	Hyperlink
Gene Summary	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 this encoded protein and DUOX1. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain. [provided by RefSeq]
Other Designations	NADH/NADPH thyroid oxidase p138-tox NADPH oxidase/peroxidase DUOX2 NADPH thyroid oxidase 2 OTTHUMP00000162044 dual oxidase-like domains 2 flavoprotein NADPH oxidase nicotinamide adenine dinucleotide phosphate oxidase

Publication Reference

- [Differential regulation of dual NADPH oxidases/peroxidases, Duox1 and Duox2, by Th1 and Th2 cytokines in respiratory tract epithelium.](#)

Harper RW, Xu C, Eiserich JP, Chen Y, Kao CY, Thai P, Setiadi H, Wu R.

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- [Identification of a novel partner of duox: EFP1, a thioredoxin-related protein.](#)

Wang D, De Deken X, Milenkovic M, Song Y, Pirson I, Dumont JE, Miot F.

The Journal of Biological Chemistry 2005 Jan; 280(4):3096.

- [Cloning of two human thyroid cDNAs encoding new members of the NADPH oxidase family.](#)

De Deken X, Wang D, Many MC, Costagliola S, Libert F, Vassart G, Dumont JE, Miot F.

The Journal of Biological Chemistry 2000 Jul; 275(30):23227.

Application: IHC-Fr, Human, Human paranodular thyroid tissues

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
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