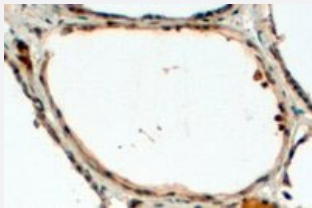


DUOX1 polyclonal antibody

Catalog # PAB7468 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

DUOX1 polyclonal antibody (Cat # PAB7468) (4 ug/mL) staining of paraffin embedded human thyroid gland. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of DUOX1.
Immunogen	A synthetic peptide corresponding to human DUOX1.
Sequence	EKFQRSCLHQTQVQ
Host	Goat
Theoretical MW (kDa)	177
Specificity	This antibody is expected to recognize both reported isoforms (NP_059130.2 , NP_787954.1) which are identical.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

DUOX1 polyclonal antibody (Cat # PAB7468) (4 ug/mL) staining of paraffin embedded human thyroid gland. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DUOX1

Entrez GeneID	53905
Protein Accession#	NP_059130.2;NP_787954.1
Gene Name	DUOX1
Gene Alias	LNOX1, MGC138840, MGC138841, NOXEF1, THOX1
Gene Description	dual oxidase 1
Omim ID	606758
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 DUOX2. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain. Two alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq]
Other Designations	NADPH thyroid oxidase 1 flavoprotein NADPH oxidase nicotinamide adenine dinucleotide phosphate oxidase

Publication Reference

- [Differential regulation of dual NADPH oxidases/oxidases, 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.

FEBS Letters 2005 Aug; 579(21):4911.

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