



[Go to Product page](#)

Datasheet for ABIN1386159
anti-DUOX1 antibody (AA 1-100)

1 Publication

Overview

Quantity:	100 µL
Target:	DUOX1
Binding Specificity:	AA 1-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUOX1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DUOX1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	DUOX1
---------	-------

Target Details

Alternative Name: DUOX1 ([DUOX1 Products](#))

Background: Synonyms: Dual oxidase 1, Dual oxidase 1 precursor, DUOX1, EC 1.11.1, EC 1.6.3.1, Flavoprotein NADPH oxidase, Large NOX 1, LNOX1, Long NOX 1, MGC138840, MGC138841, NADPH thyroid oxidase 1, Nicotinamide adenine dinucleotide phosphate oxidase, NOXEF1, THOX1, Thyroid oxidase 1, DUOX1_HUMAN.

Background: Dual oxidase 1 (DUOX1), a homolog of glycoprotein p91Phox, is expressed in airway epithelium and generates reactive oxygen species (ROS). DUOX1 is a multi-pass membrane protein predominantly expressed in thyrocytes and tracheal surface epithelial cells, as well as thyroid, trachea and bronchium. DUOX1 generates hydrogen peroxide, which is crucial for thyroid peroxidase and lactoperoxidase. It is also involved in thyroid hormone synthesis and lactoperoxidase-mediated antimicrobial defense in mucosa. DUOX1, which also plays a role in mucin expression, is widely expressed in fetal tissues.

Gene ID: 53905

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Wakatsuki, Furuno, Ohshima, Araki: "Oxidative stress-dependent phosphorylation activates ZNRF1 to induce neuronal/axonal degeneration." in: **The Journal of cell biology**, Vol. 211, Issue 4, pp. 881-96, (2015) ([PubMed](#)).