

Datasheet for ABIN6139857
anti-DUOX1 antibody (AA 1312-1551)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	DUOX1
Binding Specificity:	AA 1312-1551
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUOX1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1312-1551 of human DUOX1 (NP_059130.2).
Sequence:	ALGTTEYHPF TLTSAPHEDT LSLHIRAAGP WTTRLREIYS APTGDRCARY PKLYLDGPFG EGHQEWHKFE VSVLVGGGIG VTPFASILKD LVFKSSVSCQ VFCKKIYFIW VTRTQRQFEW LADIREVEE NDHQDLVSVH IYITQLAEKF DLRTTMLYIC ERHFQKVLNR SLFTGLRSIT HFGRPPEPF FNSLQEVHPQ VRKIGVFSCG PPGMTKNVEK ACQLINRQDR THFSHHYENF
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

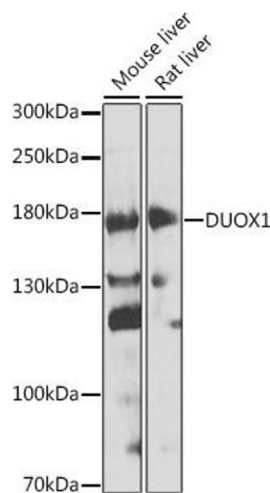
Target:	DUOX1
Alternative Name:	DUOX1 (DUOX1 Products)
Background:	<p>The protein encoded by this gene is a glycoprotein and a member of the NADPH oxidase family. The synthesis of thyroid hormone is catalyzed by a protein complex located at the apical membrane of thyroid follicular cells. This complex 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.,DUOX1,LNOX1,NOXE1,THOX1,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Growth factor,Endocrine & Metabolism,Neuroscience,DUOX1</p>
Molecular Weight:	137 kDa/177 kDa
Gene ID:	53905
UniProt:	Q9NRD9

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using DUOX1 antibody (ABIN6127816, ABIN6139857, ABIN6139858 and ABIN6224687) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.