Datasheet for ABIN655174

anti-DUOX2 antibody (AA 513-542)

2 Images

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Overview

Quantity:	400 µL
Target:	DUOX2
Binding Specificity:	AA 513-542
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUOX2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This DUOX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 513-542 amino acids from the Central region of human DUOX2.
Clone:	RB19278
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DUOX2
Alternative Name:	DUOX2 (DUOX2 Products)
Background:	The protein encoded by this gene is a glycoprotein and a member of the NADPH oxidase family.

Target Details

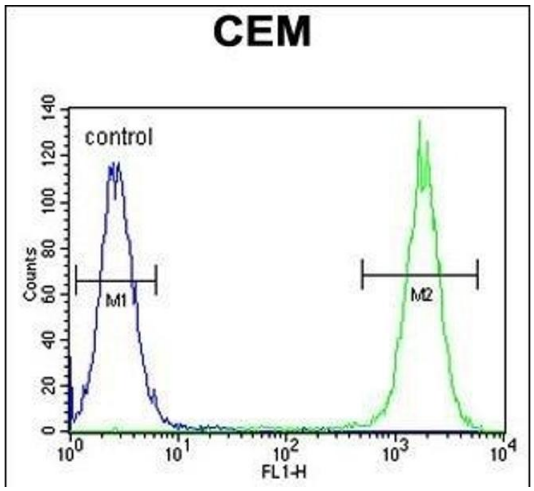
	The synthesis of thyroid hormone is catalyzed by a protein complex located at the apical membrane of thyroid follicular cells. This complex contains an iodide transporter, thyroperoxidase, and a peroxide generating system that includes this encoded protein and DUOX1. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain.
Molecular Weight:	175364
Gene ID:	50506
NCBI Accession:	NP_054799
UniProt:	Q9NRD8
Pathways:	Thyroid Hormone Synthesis

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

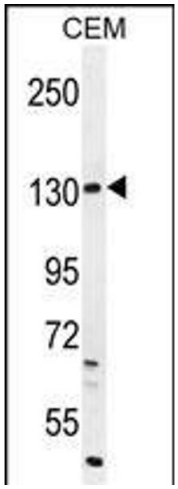
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. DUOX2 Antibody (Center) (ABIN655174 and ABIN2844792) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. DUOX2 Antibody (Center) (ABIN655174 and ABIN2844792) western blot analysis in CEM cell line lysates (35 µg/lane).This demonstrates the DUOX2 antibody detected the DUOX2 protein (arrow).