

DUOX2 rabbit monoclonal antibody

Catalog # H00050506-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human DUOX2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human DUOX2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human DUOX2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — DUOX2

Entrez GeneID	50506
GeneBank Accession#	DUOX2
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

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