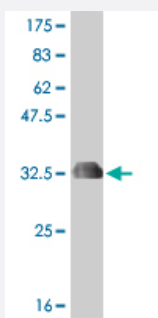


DUOX1 polyclonal antibody (A01)

Catalog # H00053905-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (35.79 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant DUOX1.
Immunogen	DUOX1 (NP_059130, 941 a.a. ~ 1028 a.a) partial recombinant protein with GST tag.
Sequence	VEVPEVIKDLGRRASYISQDMICSPRV SARCSRSDIETELTPQRLQCPMDTDPPQEIRRRFGKKV TSFQPLLFTAEHREKFQRSCLH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (81)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.79 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DUOX1

Entrez GeneID [53905](#)

GeneBank Accession# [NM_017434](#)

Protein Accession# [NP_059130](#)

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

Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)

- [Mycobacterium Infections](#)
- [Pneumonia](#)
- [Sarcoidosis](#)
- [Thyroid Neoplasms](#)
- [Tuberculosis](#)