

MaxPab®

DUOX2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00050506-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human DUOX2 protein.
Immunogen	DUOX2 (NP_054799.4, 1 a.a. ~ 1548 a.a) full-length human protein.
Sequence	MLRARPEALMLLGALLTGS LGPSGNQDALSLPWEVQRYDGWFNNLRHHERGAVGCRLQRRVPA NYADGVYQALEEPQLPNPRRLSNAATRGIAGLPSLHNRTVLGVFFGYHVLSDVVSVEPTGCPAEF LNIRIPPGDPVFDPDQRGDVVLPFQSRSDPETGRSPSNPRDLANQVTGWLDGSAYGSSHSWS DALRSFSGGQLASGPDPAFPRDSQNPLLMWAAPDPATGQNGPRGLYAFGAERGNREPFLQAL GLLWFRYHNLWAQRLARQHPDWEDEELFQHARKRVIATYQNIAYVEWLPSFLQKTLPEYTYGRPF LDPSISPEFVVASEQFFSTMVPPGVYMRNASCHFRKVLNKGFGSSQALRVCNNYWIREPNLNS TQEVNELLG MASQISELEDNIVVEDLRDYWP GP GKFSRTDYVASSIQRGRDMGLPSYSQALLAF GLDIPRNWSDLNPNVDPQVLEATAALYNQDLSQLELLLG LLESHGDPG PLFSAMLDQFVRLRD GDRYWFENTRNLFSKKEIEDIRNTTLRDVLVAVINIDPSALQPNFVWHKGAPCPQPKQLTTDGL PQCAPLTVLDFEFGSSPGFAITIALCCLPLVSLLLSGVVAYFRGREHKKLQKKLKESVKKEAAKD GVPAMEWPGPKERSSPIIIQLLSDRCLQVLNRHLTVLRVVQLQPLQQVNLILSNNRGCRTLLLKIPK EYDLVLLFSSEEERGAFVQQLWDFCVRWALGLHVAEMSEKELFRKAVTKQQRERILEIFFRHLFA QVL DINQADAGTLPLDSSQKVREALTCELSRAEFAESLGLKPQDMFVESMFSLADKDGNGYLSF REFLDILVFMKGSPEDKSRLMFTMYDLDENGFLSKDEFFTMMSFIEISNNCLSKAQLAEVVES MFRESGFQDKEELTWEDFHFMLRDHDSERFTQLCVKGGGGGGNGIRDIFKQNISCRVSFITRTP GERSHPQGLGPPAPEAPELGPGPKKRF GKKA AVPTPRLYTEALQEKMQRGFLAQKLQQYKRF VENYRRHIVCVAIFSAICVGVFADRAYYGFASPPSDIAQTTLVGILSRGTAASVSFMSYILLTMCR NLITFLRETFLNRYVPFDAAVDFHRWIAMA AVVLAILHSAGHAVNVYIFSVSPLSLLACIFPNVFVND GSKLPQKFYWWFFQTVPGMTGVLLLLLVLAIMYVFASHHFRRRSFRGFWLTHHLYILLYALLIIGSYA LIQLPTFHIYFLVPAIYGGDKLVSLSRKKVEISVKAELLPSGVTYLQFQRPQGFEYKSGQWVRIAC LALGTTEYHPFTLTSAPHEDTSLHIRAVGPWTTRLREIYSSPKGNGCAGYPKLYLDGPFGEHQE WHKFEVSVLVGGGIGVTPFASILKDLVFKSSLGSQMLCKKIYFMVTRTQRQFEWLADI IQEVEEND HQDLVSVHIYVTQLAEKFDLRTTMLYICERHFQKVLNRSFLTGLRSITHFGRPPFEPFFNSLQEVHP QVRKIGVFSCGPPGMTKNVEKACQLVNRQDRAHFMMHYENF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (82)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — DUOX2

Entrez GeneID
[50506](#)
GeneBank Accession#
[NM_014080.4](#)
Protein Accession#
[NP_054799.4](#)
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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