

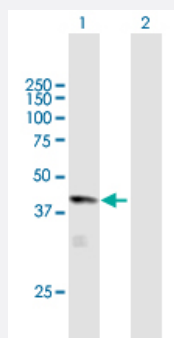
MaxPab®

HAO1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00054363-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of HAO1 expression in transfected 293T cell line ([H00054363-T01](#)) by HAO1 MaxPab polyclonal antibody.

Lane 1: HAO1 transfected lysate(40.7 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human HAO1 protein.

Immunogen

HAO1 (NP_060015.1, 1 a.a. ~ 370 a.a) full-length human protein.

Sequence

MLPRLICINDYEQHAKSVLPKSIYDYRSGANDEETLADNIAAFSRWKLYPRMLRNVAETDLSTSVL
GQRVSMPICVGATAMQRMMAHVDGELATVRACQSLGTGMMLSSWATSSIEEVAEAGPEALRWLQ
LYYKDREVTKKLVLRQAEGMGYKAIFVTVDTPYLGNRLLDDVRNRFKLPPQLRMKNFETSTLSFSPE
ENFGDDSGLAAYVAKAIDPSISWEDIKWLRRRLTSLPIVAKGILRGDDAREAVKHGLNGILVSNHGAR
QLDGVPATIDVLPENVEAVEGKVEVFLDGGVRKGTDLKALALGAKAVFVGRPMWGLAFQGEKG
VQDVLEILKEEFRLAMALSGCQNVKVIDKTLVRKNPLAVSKI

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (89); Rat (89)

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.

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[Protocol Download](#)

Gene Info — HAO1

Entrez GeneID [54363](#)

GeneBank Accession# [NM_017545.2](#)

Protein Accession# [NP_060015.1](#)

Gene Name HAO1

Gene Alias GOX, GOX1, HAOX1, MGC142225, MGC142227

Gene Description hydroxyacid oxidase (glycolate oxidase) 1

Omim ID [605023](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in liver and pancreas and the encoded protein is most active on glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. The transcript detected at high levels in pancreas may represent an alternatively spliced form or the use of a multiple near-consensus upstream polyadenylation site. [provided by RefSeq]

Other Designations (S)-2-hydroxy-acid oxidase|OTTHUMP00000030231|glycolate oxidase|hydroxyacid oxidase 1

Pathway

- [Glyoxylate and dicarboxylate metabolism](#)

- [Metabolic pathways](#)