

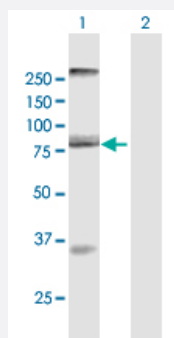
MaxPab®

AOC2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000314-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of AOC2 expression in transfected 293T cell line ([H00000314-T01](#)) by AOC2 MaxPab polyclonal antibody.

Lane 1: AOC2 transfected lysate(83.16 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human AOC2 protein.

Immunogen

AOC2 (NP_033720.2, 1 a.a. ~ 756 a.a) full-length human protein.

Sequence

MHLKIVLAFLALSLITIFALAYVLLTSPGGSSQPPHCPVSHRAQPWPHPGQSQLFADLSREELTA
VMRFLTQRLGPGLVDAAQAQPSDNCIFSVELQLPPKAAALAHLDRGSPPPAREALAMVLFGGQP
QPNVSELVVGPLPHPSYMRDVTVERHGGPLPYHRRPVLRAEFTQMWRHLKEVELPKAPIFLSST
FNYNGSTLAAVHATPRGLRSGDRATWMALYHNISGVGLFLHPVGLELLLDHRALDPAHWTVQQV
FYLGHYYADLGQLEREFKSGRLEVVRVPLPPPNGASSLRSRNSPGPLPPLQFSPQGSQYSVQGN
LVVSSLWSFTFGHGVFSGLRIFDVRFQGERIAYEVSQECVSIYGADSPKTMTRYLDSSFGGLGRN
SRGLVRGVDCPYQATMVDIHILVGKGAVQLLPGAVCVFEEAQGLPRRHHNYLQNHFYGGGLASSA
LVVRSVSSVGNVDYWDVFLYPNGALEGRVHATGYINTAFLLKGGEGLFGNVRGGERVLGTVHTH
AFHFKLDLDVAGLKNWVVAEDVVFVKPVAAPWNPEHWLQRPQLTRQVLGKEDLAFSLGSPLPR
YLYLASNQTNAGWHQRGYRIQHISPLGIHIPLESDMERALSWGRYQLVVTQRKEEESQSSSIYHQN
DIWTPTVTFADFINNETLLGEDLVAVVTASFLHIPHAEDIPNTVTLGNRVGFLLRPYNFFDEDPSIFS
PGSVYFEKQDAGLCSINPVACLPDLAACVPDLPPFSYHGF

Host

Mouse

Reactivity

Human

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

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[Protocol Download](#)

Gene Info — AOC2

Entrez GeneID[314](#)**GeneBank Accession#**[NM_009590.2](#)**Protein Accession#**[NP_033720.2](#)**Gene Name**

AOC2

Gene Alias

DAO2, RAO

Gene Description

amine oxidase, copper containing 2 (retina-specific)

Omim ID[602268](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes and ammonia in the presence of copper and quinone cofactor. This gene shows high sequence similarity to copper amine oxidases from various species ranging from bacteria to mammals. The protein contains several conserved motifs including the active site of amine oxidases and the histidine residues that likely bind copper. It may be a critical modulator of signal transmission in retina, possibly by degrading the biogenic amines dopamine, histamine, and putrescine. This gene may be a candidate gene for hereditary ocular diseases. Alternate splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

amine oxidase, copper containing 2

Pathway

- [beta-Alanine metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Glycine](#)
- [Isoquinoline alkaloid biosynthesis](#)
- [Metabolic pathways](#)
- [Phenylalanine metabolism](#)
- [Tropane](#)
- [Tyrosine metabolism](#)