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Datasheet

AOC2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog Number: H00000314-B01P

Regulation Status: For research use only (RUO)

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:
MHLKIVLAFLALSLITIFALAYVLLTSPGGSSQPPHCPSV
SHRAQPWPHPGQSQLFADLSREELTAVMRFLTQRLG
PGLVDAAQAQPSDNCIFSVELQLPPKAAALAHLDRGS
PPPAREALAIVLFGGQPQPNVSELVVGPLPHPSYMRD
VTVERHGGPLPYHRRPVLRAEFTQMWRHLKEVELPK
APIFLSSTFNYNGSTLAAVHATPRGLRSGDRATWMAL
YHNISGVGLFLHPVGLELLLDHRALDPAHWTVQQVFYL
GHYYADLGQLEREFKSGRLEVVRVPLPPPNGASSLRS
RNSPGPLPPLQFSPQGSQYSVQGNLVVSSLWSFTFG
HGVFSGLRIFDVRFQGERIAYEVSVQECVSIYGADSPK
TMLTRYLDSSFGLGRNSRGLVRGVDCPYQATMVDIHI
LVGKGAVQLLPGAVCVFEEAQGLPLRRHHNYLQNHFY
GGLASSALVVRSVSSVGNYDYIWDFVLYPNGALEGRV
HATGYINTAFLKGGEEGLLFGNRVGERVLGTVHTHAF
HFKLDLDVAGLKNWVVAEDVVFKPVAAPWNPEHWLQ
RPQLTRQVLGKEDLTAFSLGSPLPRYLYLASNQTNAW
GHQRGYRIQIHSPLGIHIPLESDMERALSWGRYQLVVT
QRKEEESQSSSIYHQNDIWTPTVTFADFINNETLLGED
LVAWVTASFLHIPHAEDIPNTVTLGNRVGFLLRPYNFF
DEDPSIFSPGSVYFEKGQDAGLCSINPVACLPDLAACV
PDLPPFSYHGF

Host: Mouse

Reactivity: Human

Applications: WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 314

Gene Symbol: AOC2

Gene Alias: DAO2, RAO

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]