

Datasheet for ABIN1449831
anti-AOC2 antibody (Middle Region)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	AOC2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Cow, Dog, Rat, Zebrafish (Danio rerio), Xenopus laevis, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AOC2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide directed towards the middle region of human AOC2
Sequence:	AEDIPNTVTL GNRVGFLLRP YNFFDEDPSI FSPGSVYFEK GQDAGLCSIN
Cross-Reactivity (Details):	Species reactivity (expected):Mouse, Bovine, Rabbit, Dog, PigSpecies reactivity (tested):Human.
Purification:	Purified using peptide immunoaffinity column

Target Details

Target:	AOC2
Alternative Name:	AOC2 / RAO (AOC2 Products)
Background:	Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes and ammonia in the presence of copper and quinone cofactor. The protein contains several conserved motifs

Target Details

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. 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. Synonyms: Amine oxidase copper-containing, Retina-specific copper amine oxidase

Gene ID: 314

NCBI Accession: [NP_033720](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

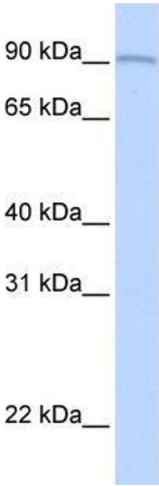
Handling

Reconstitution: Add 50 µL of distilled water to a final concentration of 1 mg/mL.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store lyophilized at 2-8 °C for one month or at -20 °C long term. After reconstitution store the antibody undiluted at 2-8 °C for up to one month or in aliquots at -20 °C long term.



Western Blotting

Image 1. Human Lung; WB Suggested Anti-AOC2 Antibody
Titration: 0.2-1 ug/ml. ELISA Titer: 1:1562500. Positive
Control: Human Lung; AOC2 antibody - middle region in
Human Lung cells using Western Blot