

# AOC2 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI12541

## Product Information

Application	WB
Primary Accession	<a href="#">O75106</a>
Other Accession	<a href="#">NM_009590</a> , <a href="#">NP_033720</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83673

## Additional Information

Gene ID	314
Alias Symbol	DAO2, RAO
Other Names	Retina-specific copper amine oxidase, RAO, 1.4.3.21, Amine oxidase [copper-containing], Semicarbazide-sensitive amine oxidase, SSAO, AOC2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-AOC2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	AOC2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Name	AOC2 ( <a href="#">HGNC:549</a> )
Function	Catalyzes the oxidative deamination of primary amines to the corresponding aldehydes with the concomitant production of hydrogen peroxide and ammonia (PubMed: <a href="#">19588076</a> ). Has a preference for 2- phenylethylamine, tryptamine and tyramine (PubMed: <a href="#">19588076</a> ). Could also act on methylamine and benzylamine but much less efficiently (PubMed: <a href="#">19588076</a> ).
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type II membrane protein {ECO:0000250 UniProtKB:Q16853}
Tissue Location	Expressed in many tissues including adipocytes with higher expression in

retina where it is active [Isoform 2]: Not expressed in thymus.

## References

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Zhang, Q., Gene 318, 45-53 (2003) Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images

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WB Suggested Anti-AOC2 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:1562500  
Positive Control: Human Lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.