

AOC2 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12541**Specification**

AOC2 antibody - middle region - Product Information

Application	WB
Primary Accession	O75106
Other Accession	NM_009590 , NP_033720
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rabbit, Pig, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 84kDa KDa

AOC2 antibody - middle region - 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.

AOC2 antibody - middle region - Protein Information**Name** AOC2 ([HGNC:549](#))**Function**

Catalyzes the oxidative deamination of primary amines to the corresponding aldehydes with the concomitant production of hydrogen peroxide and ammonia (PubMed:[19588076](http://www.uniprot.org/citations/19588076)). Has a preference for 2- phenylethylamine, tryptamine and tyramine (PubMed:[19588076](http://www.uniprot.org/citations/19588076)). Could also act on methylamine and benzylamine but much less efficiently (PubMed:[19588076](http://www.uniprot.org/citations/19588076)).

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type II membrane protein
{ECO:0000250|UniProtKB:Q16853}

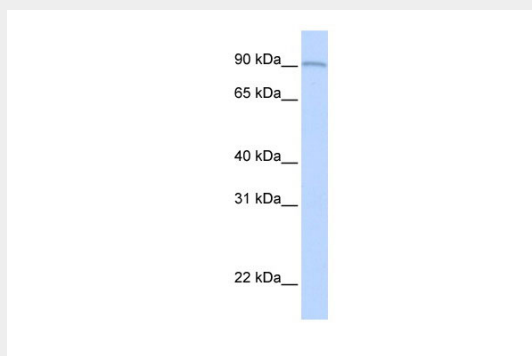
Tissue Location

Expressed in many tissues including adipocytes with higher expression in retina where it is active
[Isoform 2]: Not expressed in thymus.

AOC2 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AOC2 antibody - middle region - Images

WB Suggested Anti-AOC2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: Human Lung

AOC2 antibody - middle region - References

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.