

**AOC2 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12540****Specification**

---

**AOC2 antibody - middle region - 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, Pig, Horse, Bovine, Guinea Pig, Dog |
| Predicted Host    | Human, Mouse, Rabbit, Pig, Bovine, Dog                         |
| Clonality         | Rabbit                                                         |
| Calculated MW     | Polyclonal<br>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}

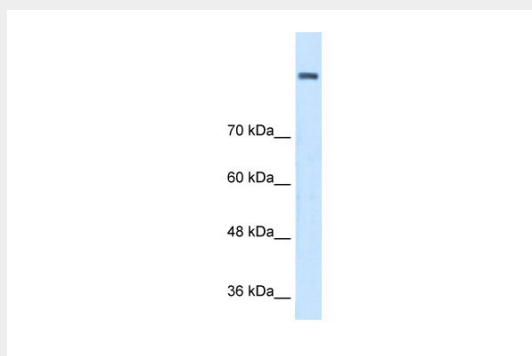
**Tissue Location**

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  
Positive Control: Jurkat cell lysate

**AOC2 antibody - middle region - References**

Brandenberger, R., (2004) Nat. Biotechnol. 22(6), 707-716 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.