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AOC2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12541

Product Information

Application	WB
Primary Accession	O75106
Other Accession	NM_009590, NP_033720
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 (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). Has a preference for 2- phenylethylamine, tryptamine and tyramine (PubMed:19588076). Could also act on methylamine and benzylamine but much less efficiently (PubMed: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.

References

Zhang,Q.,Gene318,45-53(2003)ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

Images



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'.