

## Datasheet for ABIN7467685 **anti-AOC2 antibody**



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### Overview

Quantity:	100 µL
Target:	AOC2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AOC2 antibody is un-conjugated
Application:	Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human AOC2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	AOC2
Alternative Name:	amine oxidase copper containing 2 ( <a href="#">AOC2 Products</a> )
Background:	Amine oxidase copper containing 2 , DAO2 , RAO , SSAO,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

## Target Details

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. [provided by RefSeq]

Molecular Weight: 81 kDa

Gene ID: 314

UniProt: [O75106](#)

## Application Details

Application Notes: ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher.  
Not tested in other applications.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.94 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.