

Product datasheet

Anti-AOC2 antibody ab72780

1 Image

Overview

<b>Product name</b>	Anti-AOC2 antibody
<b>Description</b>	Mouse polyclonal to AOC2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	AOC2 (NP_033720.2, 1 a.a. ~ 756 a.a) full-length human protein.
<b>Positive control</b>	AOC2 transfected 293T cell lysate.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: Whole serum
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab72780** in the following tested applications.

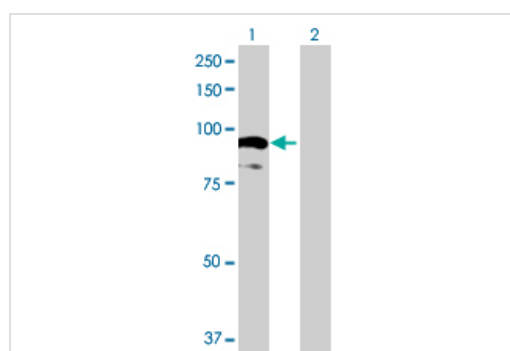
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 90 kDa (predicted molecular weight: 84 kDa).

Target

<b>Function</b>	Has a monoamine oxidase activity with substrate specificity for 2-phenylethylamine and tryptamine. May play a role in adipogenesis. May be a critical modulator of signal transmission in retina.
<b>Tissue specificity</b>	Expressed in many tissues with much higher expression in retina. Isoform 1 and isoform 2 are expressed in adipose tissue, whereas isoform 1 only seems to be present in thymus, and isoform 2 only in testis.
<b>Sequence similarities</b>	Belongs to the copper/topaquinone oxidase family.
<b>Post-translational modifications</b>	Topaquinone (TPQ) is generated by copper-dependent autoxidation of a specific tyrosyl residue.
<b>Cellular localization</b>	Cell membrane. Present on the surface of the cells and Cytoplasm. Either not translocated to the plasma membrane or below detection level.

## Images



Western blot - Anti-AOC2 antibody (ab72780)

**All lanes :** Anti-AOC2 antibody (ab72780) at 1/500 dilution

**Lane 1 :** AOC2 transfected 293T cell lysate

**Lane 2 :** Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

### Secondary

**All lanes :** Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

**Predicted band size:** 84 kDa

**Observed band size:** 90 kDa

**Additional bands at:** 80 kDa. We are unsure as to the identity of these extra bands.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors