

Product datasheet

Anti-AOC2 antibody ab72780

1 Image

Overview

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

Properties

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

Applications

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

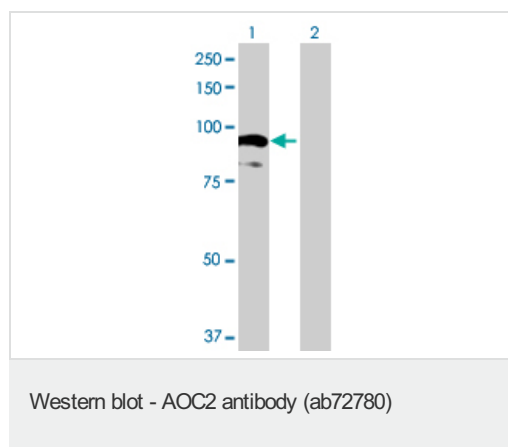
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

Function	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.
Tissue specificity	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.
Sequence similarities	Belongs to the copper/topaquinone oxidase family.
Post-translational modifications	Topaquinone (TPQ) is generated by copper-dependent autoxidation of a specific tyrosyl residue.
Cellular localization	Cell membrane. Present on the surface of the cells and Cytoplasm. Either not translocated to the plasma membrane or below detection level.

Images



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.

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