

Product datasheet

Anti-RAO antibody ab171801

1 Image

Overview

Product name	Anti-RAO antibody
Description	Rabbit polyclonal to RAO
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	<p>Full length protein corresponding to Human RAO aa 1-756. Sequence:</p> <p>MHLKVLAFALSLITIFALAYVLLTSPGGSSQPPHCPSVSH RAQPWPHP GQSQLFADLSREELTAVMRFLTQRLGPGGLVDAQAQPSD NCIFSVELQLP PKAAALAHLDRGSPPPAREALAMLFGGQPQPNVSELVV GPLPHPSYMRD VTVRHGGPLPYHRRPVLRAEFTQMWRHLKEVELPKAPIF LSSTFNINGS TLAAVHATPRGLRSGDRATWMALYHNISGVGLFLHPVGLE LLLDHRALDP AHWTVQQVFYLGHYADLGQLEREFKSGRLEVVRVPLPP PNGASSLRSRN SPGPLPPLQFSPQGSQYSVQGNLVVSSLWSFTFGHG VF SGLRIFDVRFQG ERIAYEVSQECVSIYGADSPKTMTRYLDSSFGLGRNSR GLVRGVDCPY QATMVDIHILVGKGAVQLLPGAVCVFEEAQQGLPLRRHHNY LQNHFYGGLA SSALVVRVSVSSVGNVYWDVFLYPNGALEGRVHATGYIN TAFLKGGEEG LLFGNRVGERVLGTVHTHAFHFKLDLDVAGLKNWVVAED VVFKPVAAPWN PEHWLQRPQLTRQVLGKEDLTAFSLGSPLPRYLALASNQT NAWGHQRGYR IQHSPLGIHIPLESDMERALS WGRYQLVVTQRKEEESQSS SIYHQNDIW TPTVTFADFINNETLLGEDLVAVVTASFLHIPHAEDIPNTVT LGNRVGFL</p>

LRPYNFFDEDPISIFSPGSVYFEKGGDAGLCSINPVACLPD
LAACVPDLPP FSYHGF

Database link: [NP_033720.2](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control

RAO transfected 293T cell lysate.

General notes

Previously labelled as AOC2.

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab171801** in the following tested applications.

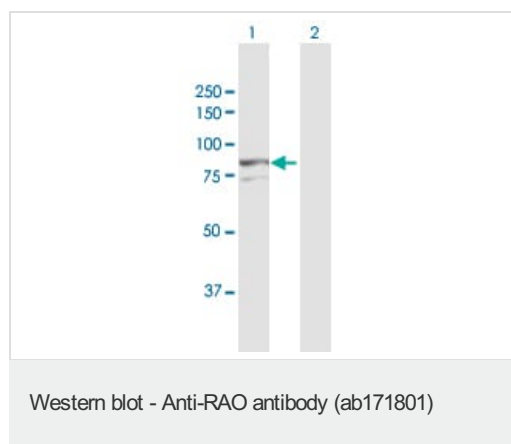
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. 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-RAO antibody (ab171801) at 1 µg/ml

Lane 1 : ROA transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Secondary

All lanes : Goat Anti-Rabbit IgG (H+L), Peroxidase Conjugated at 1/7500 dilution

Predicted band size: 84 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

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