

Product datasheet

Anti-CD64 antibody ab203349

1 Abreviews 3 Images

Overview

Product name	Anti-CD64 antibody
Description	Rabbit polyclonal to CD64
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse
Immunogen	Synthetic peptide within Human CD64 aa 100-150 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Sequence: IHRGWLLLQVSSRVFTEGEPLALRCHAWKDKLVYNVLYR NGKAFKFFHW N Database link: P12314 Run BLAST with Run BLAST with
Positive control	Rat brain and lung tissues; Human colon carcinoma lysate.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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</p>

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	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, 1% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab203349** in the following tested applications.

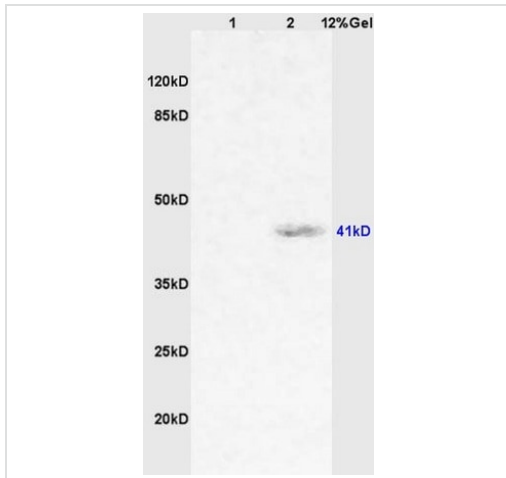
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. (or 1/50 - 1/200 using a fluorescent secondary antibody).
WB		1/100 - 1/1000. Predicted molecular weight: 43 kDa.

Target

Function	High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses.
Tissue specificity	Monocyte/macrophage specific.
Sequence similarities	Belongs to the immunoglobulin superfamily. FCGR1 family. Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Post-translational modifications	Phosphorylated on serine residues.
Cellular localization	Cell membrane. Stabilized at the cell membrane through interaction with FCER1G.

Images



Western blot - Anti-CD64 antibody (ab203349)

All lanes : Anti-CD64 antibody (ab203349) at 1/200 dilution

Lane 1 : Rat lung lysate

Lane 2 : Human colon carcinoma lysate

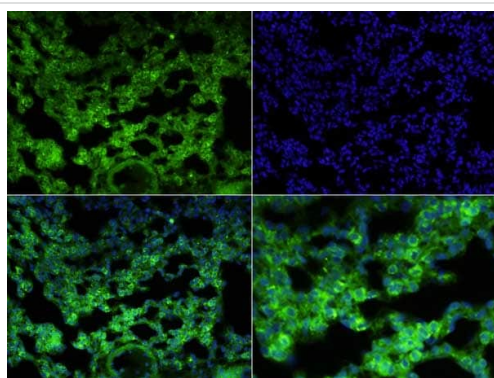
Secondary

All lanes : Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated at 1/3000 dilution

Predicted band size: 43 kDa

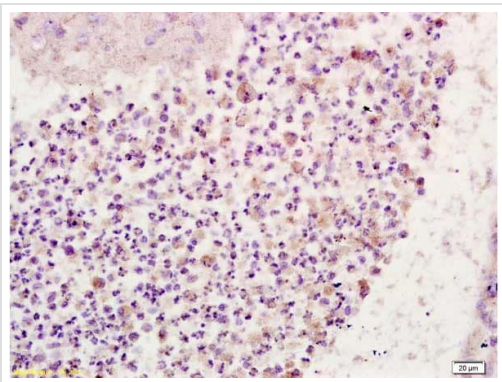
Observed band size: 41 kDa

[why is the actual band size different from the predicted?](#)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD64 antibody (ab203349)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded rat lung tissue labeling CD64 with ab203349 at 1/200 dilution, followed by conjugation to the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD64 antibody (ab203349)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded rat brain tissue labeling CD64 with ab203349 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

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

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