




Product datasheet

Anti-Arg2 antibody - N-terminal ab191029

2 Images

Overview

Product name	Anti-Arg2 antibody - N-terminal
Description	Rabbit polyclonal to Arg2 - N-terminal
Host species	Rabbit
Specificity	No cross reactivity with other proteins.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse, Rabbit, Cow 
Immunogen	Synthetic peptide corresponding to Human Arg2 aa 67-85 (N terminal). Sequence: DFGDLSFTPVPKDDLYNNL Database link: P78540  Run BLAST with  Run BLAST with
Positive control	Rat lung, rat testis, A549 and 293T cell lysates; Human mammary cancer tissue.
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	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab191029** in the following tested applications.

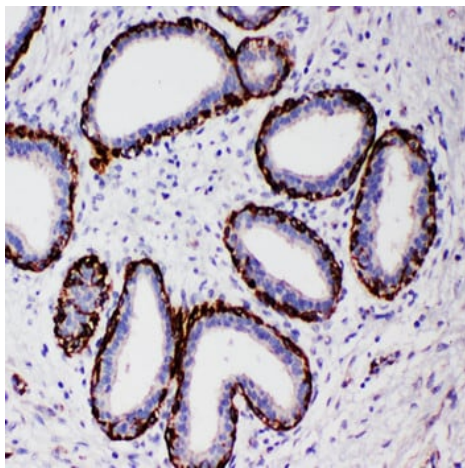
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 39 kDa.

Target

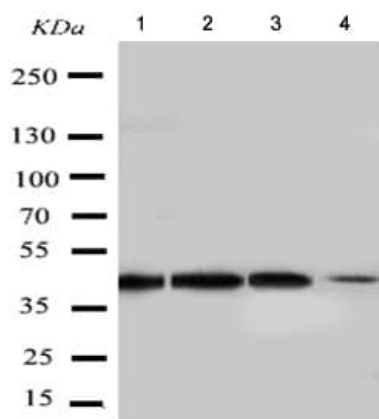
Function	May play a role in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis. Extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase. Since NO synthase is found in the penile corpus cavernosum smooth muscle, the clitoral corpus cavernosum and the vagina, arginase II plays a role in both male and female sexual arousal. It is therefore a potential target for the treatment of male and female sexual arousal disorders.
Tissue specificity	Expressed most strongly in kidney and prostate, much less strongly in the brain, skeletal muscle, placenta, lung, mammary gland, macrophage, uterus, testis and gut, but apparently not in the liver, heart and pancreas.
Pathway	Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.
Sequence similarities	Belongs to the arginase family.
Cellular localization	Mitochondrion.

Images



Immunohistochemical analysis of Paraffin-embedded Human mammary cancer tissue labeling Arg2 with ab191029 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Arg2 antibody - N-terminal (ab191029)



All lanes : Anti-Arg2 antibody - N-terminal (ab191029) at 0.5 µg/ml

Lane 1 : Rat lung tissue lysate

Lane 2 : Rat testis tissue lysate

Lane 3 : A549 cell lysate

Lane 4 : 293T cell lysate

Predicted band size: 39 kDa

Western blot - Anti-Arg2 antibody - N-terminal (ab191029)

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

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