


Product datasheet

Anti-Arg2 antibody [AT7F8] ab219257

1 Image

Overview

Product name	Anti-Arg2 antibody [AT7F8]
Description	Mouse monoclonal [AT7F8] to Arg2
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Cow 
Immunogen	Recombinant full length protein corresponding to Human Arg2 aa 23-354. Purified from E.coli. NCBI Accession No.: NP_001163. Database link: P78540
Positive control	WB - SW480 cell lysate
General notes	<p>This product was changed from ascites to tissue culture supernatant on 07/06/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

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: 7.40 Preservative: 0.02% Sodium azide Constituents: 89% PBS, 10% Glycerol
Purity	Protein A purified
Clonality	Monoclonal

Clone number	AT7F8
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab219257 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		1/1000. 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.

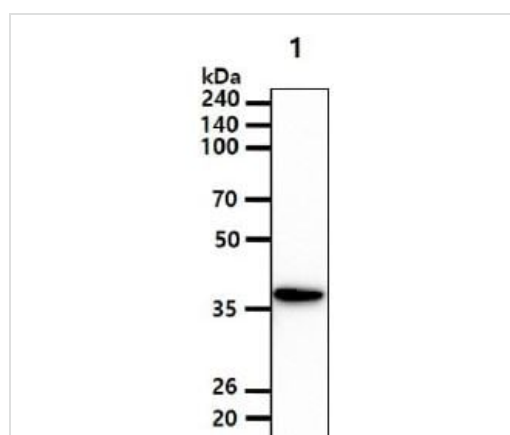
Sequence similarities

Belongs to the arginase family.

Cellular localization

Mitochondrion.

Images



Western blot - Anti-Arg2 antibody [AT7F8] (ab219257)

Anti-Arg2 antibody [AT7F8] (ab219257) at 1/1000 dilution + SW480 cells at 40 µg

Secondary

goat anti-mouse antibody

Developed using the ECL technique.

Predicted band size: 39 kDa

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

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