


Anti-DDAH1 antibody ab127579

★★★★★ [1 Abreviews](#) [1 References](#) [2 Images](#)

Overview

Product name	Anti-DDAH1 antibody
Description	Rabbit polyclonal to DDAH1
Host species	Rabbit
Specificity	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help. You may also be interested in our alternative recombinant antibody, ab181859 .
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Macaque monkey, Gorilla, Chinese hamster 
Immunogen	Synthetic peptide corresponding to Human DDAH1 aa 150-250 conjugated to keyhole limpet haemocyanin. (Peptide available as ab127966)
Positive control	This antibody gave a positive signal in both HEK293 and HepG2 whole cell lysates as well as the following tissue lysates: Human Fetal Liver; Human Liver; Human Kidney; Human Pancreas.
General notes	<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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40

Preservative: 0.02% Sodium azide
Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

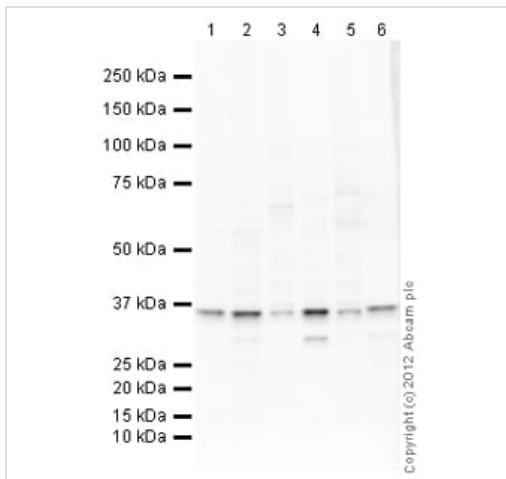
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab127579 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/250. Detects a band of approximately 37 kDa (predicted molecular weight: 31 kDa).
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function	Hydrolyzes N(G),N(G)-dimethyl-L-arginine (ADMA) and N(G)-monomethyl-L-arginine (MMA) which act as inhibitors of NOS. Has therefore a role in the regulation of nitric oxide generation.
Tissue specificity	Detected in brain, liver, kidney and pancreas, and at low levels in skeletal muscle.
Sequence similarities	Belongs to the DDAH family.

Images



Western blot - Anti-DDAH1 antibody (ab127579)

All lanes : Anti-DDAH1 antibody (ab127579) at 1 µg/ml

Lane 1 : Lung (Human) Whole Cell Lysate - fetal normal tissue ([ab30282](#))

Lane 2 : Human liver tissue lysate - total protein ([ab29889](#))

Lane 3 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 4 : Human kidney tissue lysate - total protein ([ab30203](#))

Lane 5 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 6 : Human pancreas tissue lysate - total protein ([ab29816](#))

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

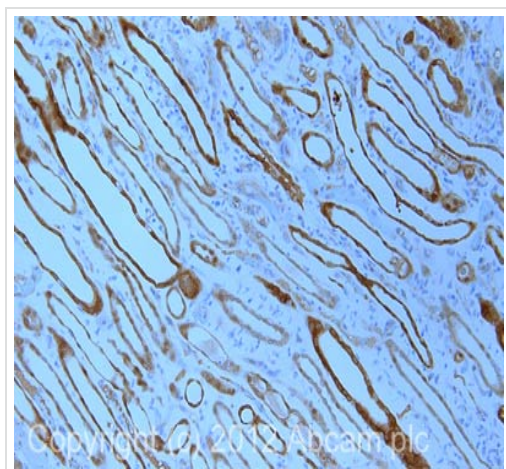
Performed under reducing conditions.

Predicted band size: 31 kDa

Observed band size: 37 kDa

Additional bands at: 32 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 4 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDAH1 antibody (ab127579)

IHC image of DDAH1 staining in human kidney formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab127579, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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