

DDAH1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2898B

Product Information

Application	IHC-P, WB, FC, IF, E
Primary Accession	O94760
Other Accession	O08557 , Q9CWS0 , P56965
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20529
Calculated MW	31122
Antigen Region	221-250

Additional Information

Gene ID	23576
Other Names	N(G), N(G)-dimethylarginine dimethylaminohydrolase 1, DDAH-1, Dimethylarginine dimethylaminohydrolase 1, DDAHI, Dimethylargininase-1, DDAH1, DDAH
Target/Specificity	This DDAH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 221-250 amino acids from the C-terminal region of human DDAH1.
Dilution	IHC-P~~1:100~500 WB~~1:1000 FC~~1:10~50 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DDAH1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DDAH1 (HGNC:2715)
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Synonyms	DDAH
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 Location	Detected in brain, liver, kidney and pancreas, and at low levels in skeletal muscle.

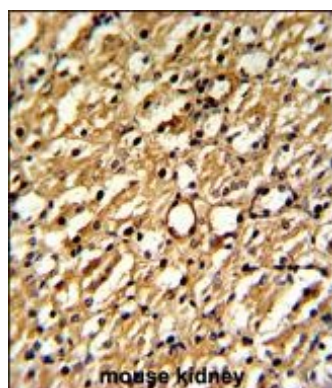
Background

DDAH1 plays a role in nitric oxide generation by regulating cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity.

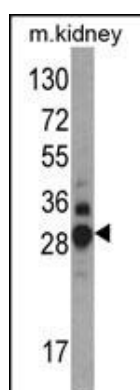
References

Ellger,B., et.al., Endocrinology 149 (6), 3148-3157 (2008)

Images

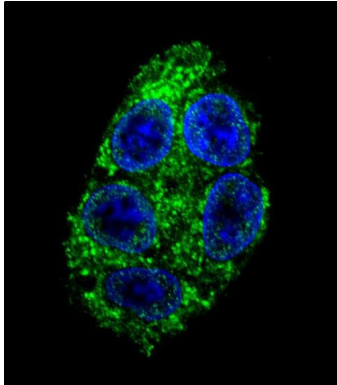
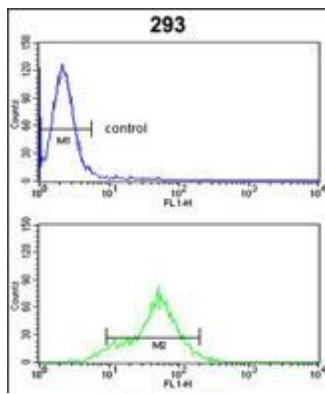


Formalin-fixed and paraffin-embedded mouse kidney reacted with DDAH1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western blot analysis of DDAH1 Antibody (C-term) (Cat. #AP2898b) in mouse kidney tissue lysates (35ug/lane). DDAH1 (arrow) was detected using the purified Pab.

DDAH1 Antibody (C-term) (Cat. #AP2898b) flow cytometric analysis of 293 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Confocal immunofluorescent analysis of DDAH1 Antibody (C-term)(Cat#AP2898b) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Citations

- [Altered DNA methylation profile in idiopathic pulmonary fibrosis.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.