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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)

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.

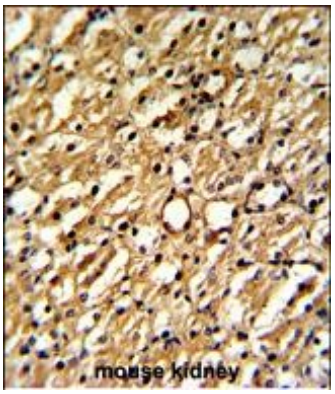
Background

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

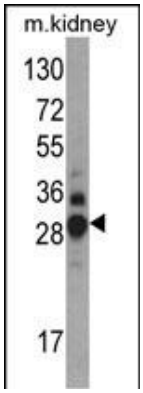
References

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

Images

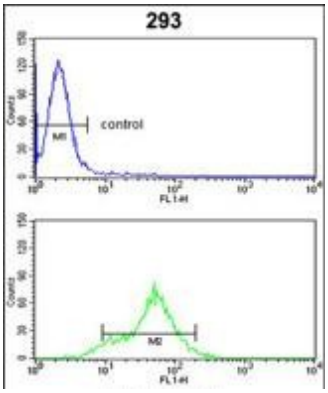


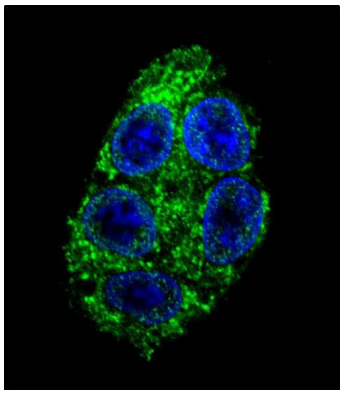
Formalin-fixed and paraffin-embedded mouse kidney reacted with DDAH1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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 lgG (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'.