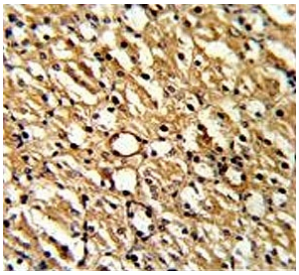
Dimethylargininase 1 Antibody / DDAH1 (F54789)

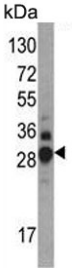
Catalog No.	Formulation	Size
F54789-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54789-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

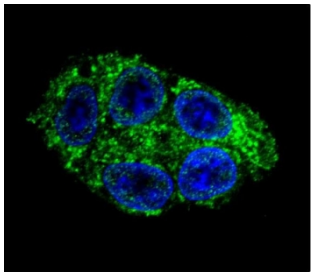
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O94760
Localization	Cytoplasmic
Applications	Immunofluorescence : 1:25 Western Blot : 1:500-1:1000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This Dimethylargininase 1 antibody is available for research use only.



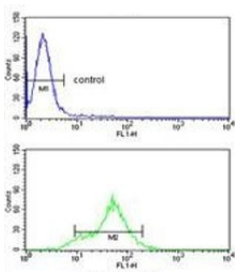
IHC testing of FFPE mouse kidney tissue with Dimethylargininase 1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of mouse kidney tissue lysate with Dimethylargininase 1 antibody. Expected molecular weight: 31-38 kDa.



Immunofluorescent staining of human HepG2 cells with Dimethylargininase 1 antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of human HEK293 cells with Dimethylargininase 1 antibody; Blue=isotype control, Green= Dimethylargininase 1 antibody.

Description

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

Application Notes

The stated application concentrations are suggested starting points. Titration of the Dimethylargininase 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 221-250 from the human protein was used as the immunogen for the Dimethylargininase 1 antibody.

Storage

Aliquot the Dimethylargininase 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.