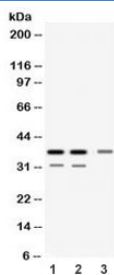


## DDAH1 Antibody (R32437)

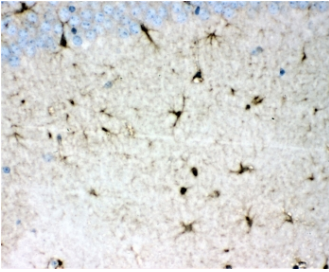
Catalog No.	Formulation	Size
R32437	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

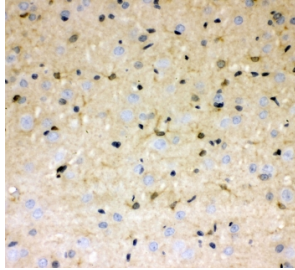
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	O94760
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml (mouse/rat); 2-4ug/ml (human) Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 2-4ug/ml
<b>Limitations</b>	This DDAH1 antibody is available for research use only.



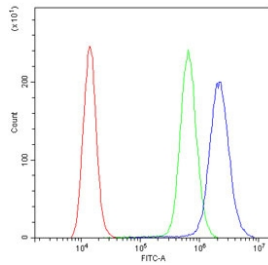
Western blot testing of 1) rat kidney, 2) mouse kidney and 3) human HeLa lysate with DDAH1 antibody at 0.5ug/ml. Expected molecular weight: 31-38 kDa.



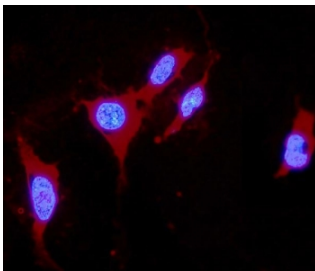
IHC staining of FFPE mouse brain with DDAH1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat brain with DDAH1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Flow cytometry testing of human A431 cells with DDAH1 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DDAH1 antibody.



Immunofluorescent staining of FFPE human U-2 OS cells with DDAH1 antibody (red) and DAPI nuclear stain (blue). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.

## Description

DDAH1 is known as dimethylarginine dimethylaminohydrolase 1 which is mapped to chromosome 1p22 by radiation hybrid and FISH analysis. This gene belongs to the dimethylarginine dimethylaminohydrolase (DDAH) gene family. DDAH1 plays a role in nitric oxide generation by regulating cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity. It is widely expressed, especially in liver and kidney.

## Application Notes

Optimal dilution of the DDAH1 antibody should be determined by the researcher.

## Immunogen

Amino acids QKALKIMQQMSDHRVDKLTVPDDIAANCIYLN were used as the immunogen for the DDAH1 antibody.

## Storage

Prior to reconstitution, store at 4°C. After reconstitution, the DDAH1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

