

For Research Use Only

DDAH2 Polyclonal antibody

Catalog Number:14966-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

14966-1-AP

Size:

150ul , Concentration: 400 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6831

GenBank Accession Number:

BC001435

GeneID (NCBI):

23564

UNIPROT ID:

O95865

Full Name:

dimethylarginine
dimethylaminohydrolase 2

Calculated MW:

29 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF-7 cells, COLO 320 cells, mouse colon tissue, rat colon tissue, mouse brain tissue, rat brain tissue

IP : COLO 320 cells,

IHC : human colon cancer tissue,

Background Information

The DDAH family of proteins is formed by two isoforms, DDAH-1 and DDAH-2, both of which utilize ADMA as their substrate and increase NOS activity. DDAH-2, also named as DDAH, G6A, NG30, is the most prevalent isoform in blood vessels and endothelium and is important for embryonic development. It has also been linked to other diseases, such as hypertension, cerebral hemorrhage, cardiac disease, and diabetes. In cultured human endothelial cells, DDAH-2 had been found only in the cytosol, but in the nuclei of rat vascular smooth muscle cells. (PMID:21898353).

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Wang	34703990	iScience	WB
Kai Cui	28103290	PLoS One	WB, IHC
Ying Wang	30118322	FASEB J	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

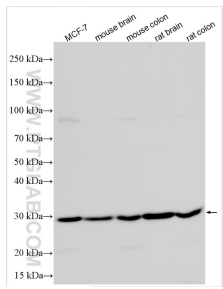
For technical support and original validation data for this product please contact:

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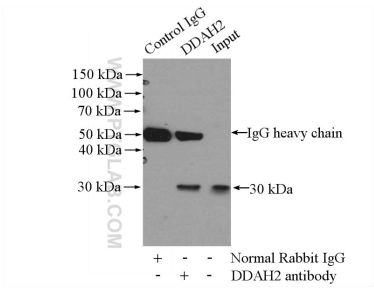
E: proteintech@ptglab.com
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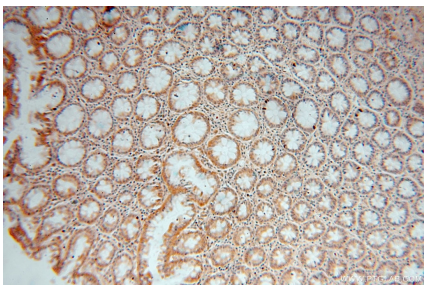
Selected Validation Data



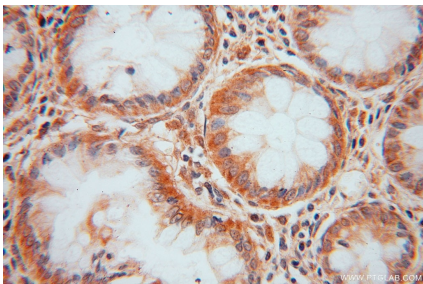
Various lysates were subjected to SDS PAGE followed by western blot with 14966-1-AP (DDAH2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-DDAH2 (IP:14966-1-AP, 3ug; Detection:14966-1-AP 1:500) with COLO 320 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 14966-1-AP (DDAH2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 14966-1-AP (DDAH2 antibody) at dilution of 1:50 (under 40x lens).