

For Research Use Only

# DDAH1 Polyclonal antibody

Catalog Number: 30108-1-AP



## Basic Information

<b>Catalog Number:</b> 30108-1-AP	<b>GenBank Accession Number:</b> NM_012137	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23576	<b>Recommended Dilutions:</b> WB 1:2000-1:16000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O94760	<b>IHC 1:1000-1:4000</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> dimethylarginine dimethylaminohydrolase 1	<b>IF-P 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG32516	<b>Calculated MW:</b> 31kd	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> Caco-2 cells, SH-SY5Y cells, mouse brain tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse brain tissue, human stomach cancer tissue, rat brain tissue
	<b>IF-P :</b> mouse eye tissue,

## Background Information

Dimethylarginine dimethylaminohydrolase 1 (DDAH1) is an enzyme that can degrade asymmetric dimethylarginine (ADMA), an endogenous nitric oxide synthase (NOS) inhibitor (PMID:26996393). About 80% of endogenous ADMA is metabolized by DDAH, principally the DDAH1 isoform (PMID:22460174). It was reported that DDAH1 is highly expressed in vascular endothelial cells in hearts (PMID:19917889). The observed molecular weight of DDAH1 is 35-40 kDa in the literature.

## Storage

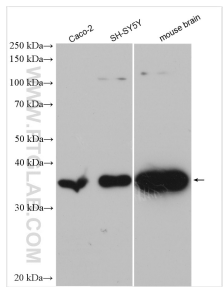
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

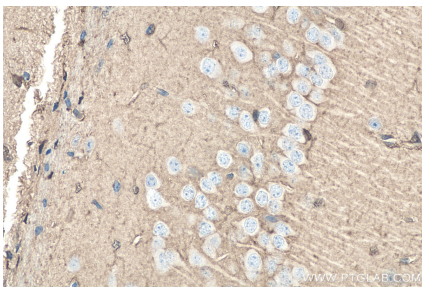
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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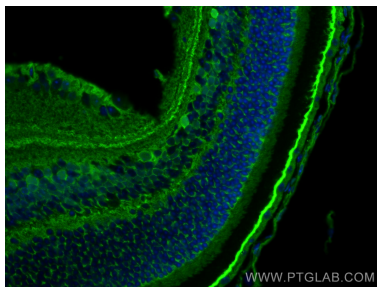
Selected Validation Data



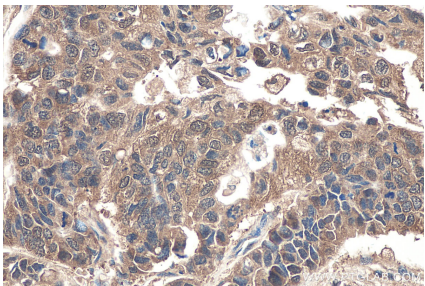
Various lysates were subjected to SDS PAGE followed by western blot with 30108-1-AP (DDAH1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



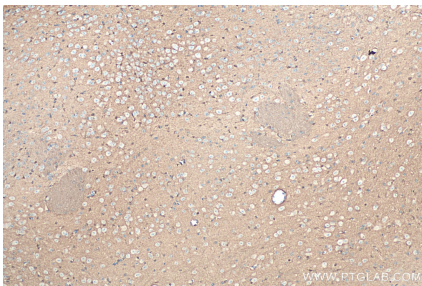
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30108-1-AP (DDAH1 antibody) at dilution of 1:2000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



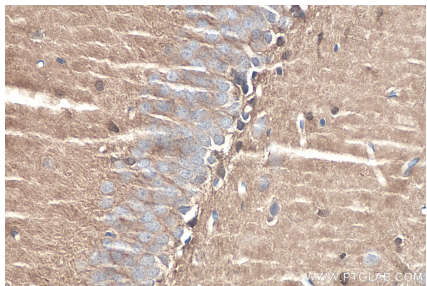
Immunofluorescent analysis of (4% PFA) fixed mouse eye tissue using DDAH1 antibody (30108-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30108-1-AP (DDAH1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30108-1-AP (DDAH1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 30108-1-AP (DDAH1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).