

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 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23576	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> dimethylarginine dimethylaminohydrolase 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 31kd	
<b>Immunogen Catalog Number:</b> AG32516	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse	<b>WB :</b> Caco-2 cells, SH-SY5Y cells, mouse brain tissue <b>IF :</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

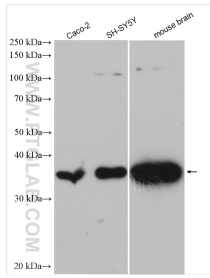
For technical support and original validation data for this product please contact:

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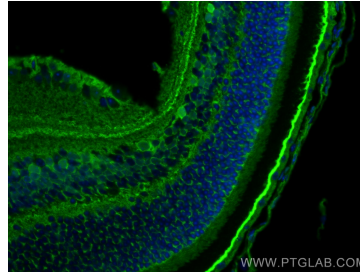
E: proteintech@ptglab.com  
W: ptglab.com

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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.



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).