

For Research Use Only

DDAH1 Polyclonal antibody

Catalog Number: 30108-1-AP



Basic Information

Catalog Number: 30108-1-AP	GenBank Accession Number: NM_012137	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 23576	Recommended Dilutions: WB 1:2000-1:16000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: O94760	
Isotype: IgG	Full Name: dimethylarginine dimethylaminohydrolase 1	
Immunogen Catalog Number: AG32516	Calculated MW: 31kd	
	Observed MW: 35 kDa	

Applications

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

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

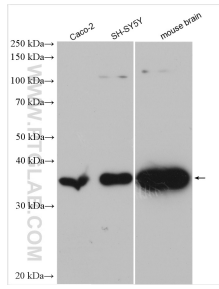
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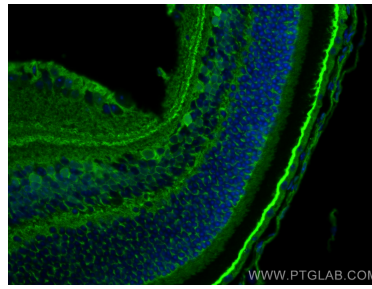
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Selected Validation Data



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).