

For Research Use Only

# DDAH2 Monoclonal antibody

Catalog Number: 68154-1-Ig



## Basic Information

<b>Catalog Number:</b> 68154-1-Ig	<b>GenBank Accession Number:</b> BC001435	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23564	<b>CloneNo.:</b> 1A10G3
<b>Source:</b> Mouse	<b>Full Name:</b> dimethylarginine dimethylaminohydrolase 2	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG3	<b>Calculated MW:</b> 29 kDa	
<b>Immunogen Catalog Number:</b> AG7127	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Rat, Mouse, Rabbit	<b>WB :</b> rabbit brain tissue, mouse retina tissue, rat colon tissue, rat brain tissue, mouse brain 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.

## Storage

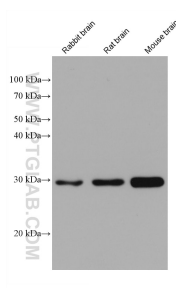
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

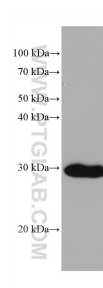
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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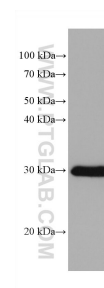
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68154-1-Ig (DDAH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



mouse retina tissue were subjected to SDS PAGE followed by western blot with 68154-1-Ig (DDAH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



rat colon tissue were subjected to SDS PAGE followed by western blot with 68154-1-Ig (DDAH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.