For Research Use Only

DDAH2 Monoclonal antibody

Catalog Number:68154-1-Ig Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
68154-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG3

Immunogen Catalog Number:
AG7127

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:
Protein A purification

CloneNo.:
1A10G3

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat, rabbit

Positive Controls:

WB : rabbit brain tissue, MCF-7 cells, 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

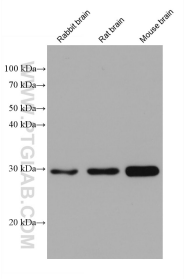
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

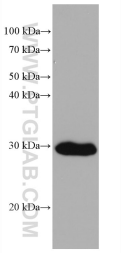
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

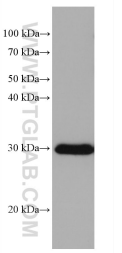
Selected Validation Data



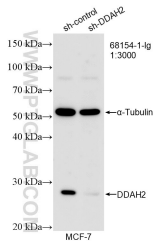
Various lysates were subjected to SDS PAGE followed by western blot with 68154-1-Ig (DDAH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



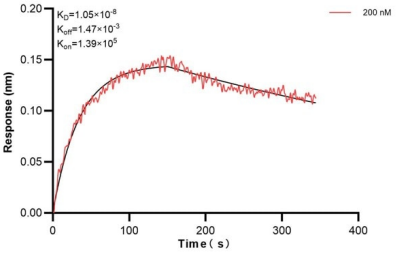
mouse retina tissue were subjected to SDS PAGE followed by western blot with 68154-1-Ig (DDAH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.



WB result of DDAH2 antibody (68154-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDAH2 transfected MCF-7 cells.



Biolayer interferometry (BLI) kinetic assay of 68154-1-Ig against Human DDAH2 was performed. The affinity constant is 10.5 nM...