

Product Name: KD-Validated DDAH1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01394**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 31.1kDa

Antigen Information

Gene Name	DDAH1 DDAH1; Dimethylarginine Dimethylaminohydrolase 1; DDAH; N(G),N(G)-Dimethylarginine
Alternative Names	Dimethylaminohydrolase 1; Dimethylargininase-1; EC 3.5.3.18; DDAH-1; DDAHI; NG, NG-Dimethylarginine Dimethylaminohydrolase; Epididymis Secretory Protein Li 16; HEL-S-16
Gene ID	23576.0
SwissProt ID	O94760
Immunogen	A synthesized peptide derived from human DDAH1

Background

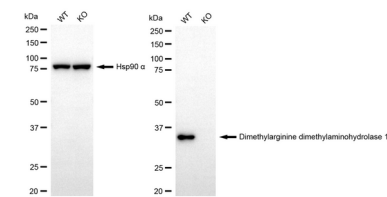
This gene belongs to the dimethylarginine dimethylaminohydrolase (DDAH) gene family. The encoded enzyme plays a role in nitric oxide generation by regulating cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase

activity. [provided by RefSeq, Jul 2008]

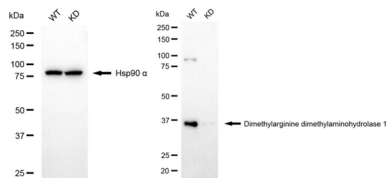
Research Area

Neuroscience, Cardiovascular, Neuroscience

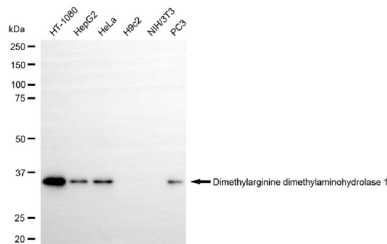
Image Data



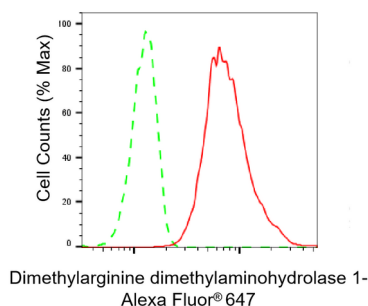
Western blotting analysis using dimethylarginine dimethylaminohydrolase 1 antibody (KVA01394). Dimethylarginine dimethylaminohydrolase 1 expression in wild type (WT) and dimethylarginine dimethylaminohydrolase 1 (DDAH1) knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with dimethylarginine dimethylaminohydrolase 1 antibody (KVA01394, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using dimethylarginine dimethylaminohydrolase 1 antibody (KVA01394). Dimethylarginine dimethylaminohydrolase 1 expression in wild type (WT) and dimethylarginine dimethylaminohydrolase 1 (DDAH1) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with dimethylarginine dimethylaminohydrolase 1 antibody (KVA01394, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using dimethylarginine dimethylaminohydrolase 1 antibody (KVA01394). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with dimethylarginine dimethylaminohydrolase 1 antibody (KVA01394, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Dimethylarginine dimethylaminohydrolase 1 expression in HT-1080 cells using Dimethylarginine dimethylaminohydrolase 1 antibody (KVA01394, 1:2,000). Green, isotype control; red, Dimethylarginine dimethylaminohydrolase 1.