

KD-Validated Anti-DDAH1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1337**Specification****KD-Validated Anti-DDAH1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	O94760
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 31 kDa; observed, 36 kDa kDa
Gene Name	DDAH1
Aliases	DDAH1; Dimethylarginine Dimethylaminohydrolase 1; DDAH; N(G),N(G)-Dimethylarginine Dimethylaminohydrolase 1; Dimethylargininase-1; EC 3.5.3.18; DDAH-1; DDAHI; NG, NG-Dimethylarginine Dimethylaminohydrolase; Epididymis Secretory Protein Li 16; HEL-S-16 A synthesized peptide derived from human DDAH1
Immunogen	

KD-Validated Anti-DDAH1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	23576
Other Names	
N(G), N(G)-dimethylarginine dimethylaminohydrolase 1, DDAH-1, Dimethylarginine dimethylaminohydrolase 1, 3.5.3.18, DDAHI, Dimethylargininase-1, DDAH1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=2715 target="_blank">HGNC:2715), DDAH	

KD-Validated Anti-DDAH1 Rabbit Monoclonal Antibody - Protein Information**Name** DDAH1 ([HGNC:2715](#))**Synonyms** DDAH**Function**

Hydrolyzes N(G),N(G)-dimethyl-L-arginine (ADMA) and N(G)- monomethyl-L-arginine (MMA) which act as inhibitors of NOS. Has therefore a role in the regulation of nitric oxide generation.

Tissue Location

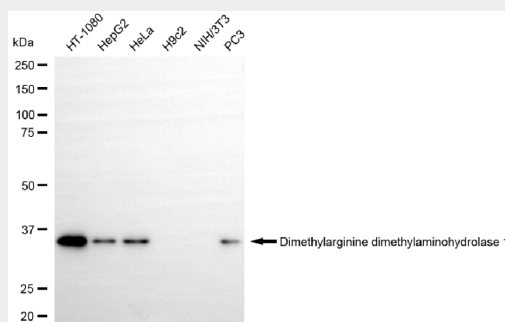
Detected in brain, liver, kidney and pancreas, and at low levels in skeletal muscle.

KD-Validated Anti-DDAH1 Rabbit Monoclonal Antibody - Protocols

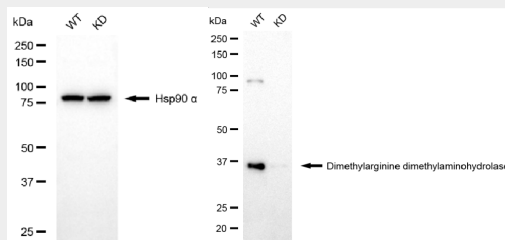
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

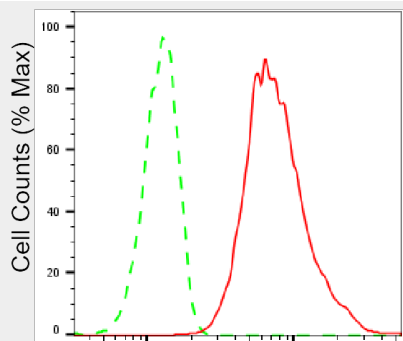
KD-Validated Anti-DDAH1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-dimethylarginine dimethylaminohydrolase 1 antibody (Cat#AGI1337). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-dimethylarginine dimethylaminohydrolase 1 antibody (Cat#AGI1337, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



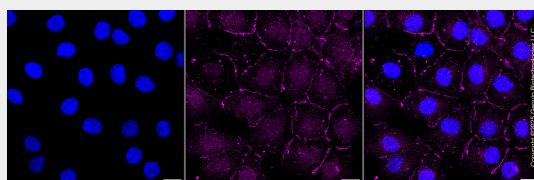
Western blotting analysis using anti-dimethylarginine dimethylaminohydrolase 1 antibody (Cat#AGI1337). Dimethylarginine dimethylaminohydrolase 1 expression in wild type (WT) and dimethylarginine dimethylaminohydrolase 1 (DDAH1) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-dimethylarginine dimethylaminohydrolase 1 antibody (Cat#AGI1337, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Dimethylarginine dimethylaminohydrolase 1-
Alexa Fluor® 647

Flow cytometric analysis of Dimethylarginine dimethylaminohydrolase 1 expression in HT-1080 cells using anti-Dimethylarginine dimethylaminohydrolase 1 antibody (Cat#AGI1337, 1:2,000). Green, isotype control; red, Dimethylarginine dimethylaminohydrolase 1.



Immunocytochemical staining of HT-1080 cells with anti-Dimethylarginine dimethylaminohydrolase 1 antibody (Cat#AGI1337, 1:1,000). Nuclei were stained blue with DAPI; Dimethylarginine dimethylaminohydrolase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.