10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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**
Immunogen	**A synthesized peptide derived from human DDAH1**

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 (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.

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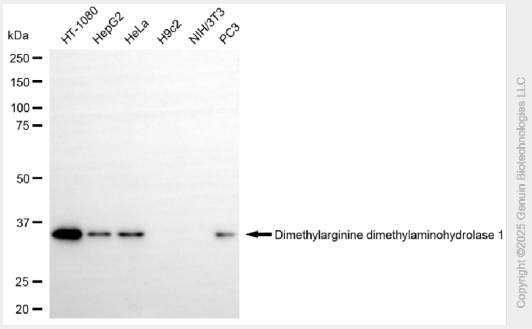
KD-Validated Anti-DDAH1 Rabbit Monoclonal Antibody - Protocols

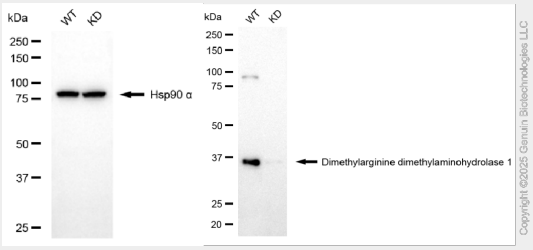
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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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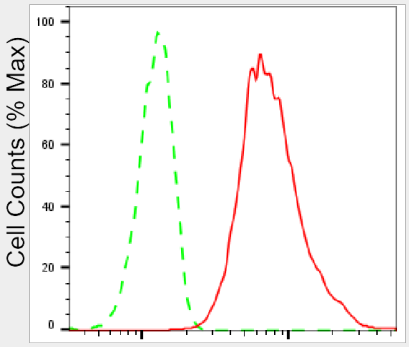
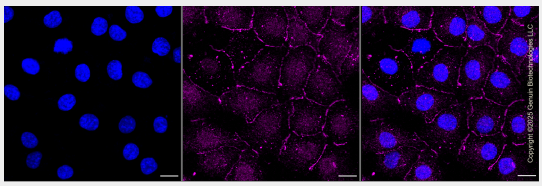


Dimethylarginine dimethylaminohydrolase 1-
Alexa Fluor® 647

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.