Product Name: KO-Validated DDAH2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00133
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 29.6kDa

Antigen Information

Gene Name	DDAH2
Alternative Names	DDAH2; DDAH Family Member 2, ADMA-Independent; Dimethylarginine Dimethylaminohydrolase; DDAHII; G6A; N(G),N(G)-Dimethylarginine Dimethylaminohydrolase; Dimethylargininase-2; S-Phase Protein; EC 3.5.3.18; DDAH; NG30; Dimethylarginine Dimethylaminohydrolase II; Testis Tissue Sperm-Binding Protein Li 54e; Epididymis Secretory Protein Li 277; Protein G6a; HEL-S-277; DDAH-2; G6a
Gene ID	23564.0
SwissProt ID	O95865
Immunogen	A synthesized peptide derived from human DDAH2

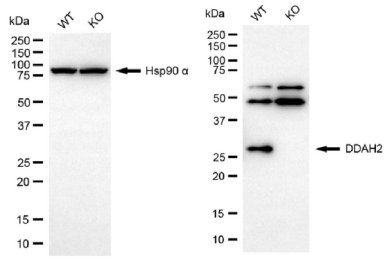
Background

This gene encodes a dimethylarginine dimethylaminohydrolase. The encoded enzyme functions in nitric oxide generation by regulating the cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity. The protein may be localized to the mitochondria. Alternative splicing resulting in multiple transcript variants. [provided by RefSeq, Dec 2014]

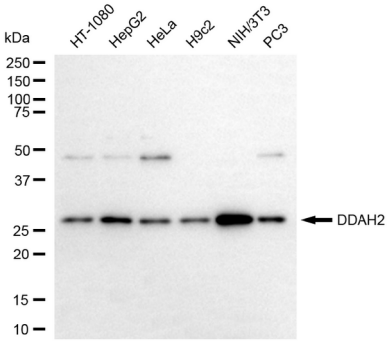
Research Area

Neuroscience

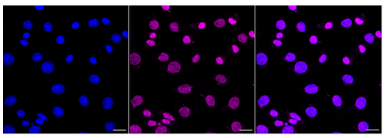
Image Data



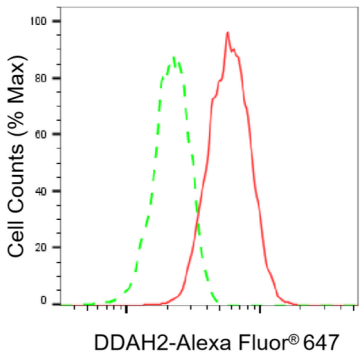
Western blotting analysis using DDAH2 antibody (KVAb00133). DDAH2 expression in wild-type (WT) and DDAH2 knockout (KO) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DDAH2 antibody (KVAb00133, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using DDAH2 antibody (KVAb00133). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DDAH2 antibody (KVAb00133, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with DDAH2 antibody (KVAb00133, 1:1,000). Nuclei were stained blue with DAPI; DDAH2 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.



Flow cytometric analysis of DDAH2 expression in C2C12 cells using DDAH2 antibody (KVAb00133, 1:2,000). Green, isotype control; red, DDAH2.