



Rabbit Anti-DDAH2 antibody

SL2785R

Product Name:	DDAH2
Chinese Name:	双甲基精氨酸水解酶2抗体
Alias:	DDAH; DDAHII; Dimethylargininase 2; DDAH2; AH2; DDAH 2; DDAH-2; Dimethylarginine Dimethylaminohydrolase 2; Dimethylarginine Dimethylaminohydrolase II; G6a; NG30; Protein G6a; S phase protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	30kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DDAH-II:41-140/285
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

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 Specificity:

Detected in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas, and at very low levels in brain.

Similarity:

Belongs to the DDAH family.

SWISS:

O95865

Gene ID:

23564

Database links:

[Entrez Gene: 23564](#)Human

[Entrez Gene: 51793](#)Mouse

[Entrez Gene: 294239](#)Rat

[Omim: 604744](#)Human

[SwissProt: O95865](#)Human

[SwissProt: Q99LD8](#)Mouse

[SwissProt: Q6MG60](#)Rat

[Unigene: 247362](#)Human

[Unigene: 1457](#)Mouse

[Unigene: 203056](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.