

Anti-DDAH1 Picoband Antibody

Catalog # ABO11618

Product Information

Application	WB
Primary Accession	O94760
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for N(G),N(G)-dimethylarginine dimethylaminohydrolase 1 (DDAH1) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	23576
Other Names	N(G), N(G)-dimethylarginine dimethylaminohydrolase 1, DDAH-1, Dimethylarginine dimethylaminohydrolase 1, 3.5.3.18, DDAH1, Dimethylargininase-1, DDAH1, DDAH
Calculated MW	31122
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Tissue Specificity	Detected in brain, liver, kidney and pancreas, and at low levels in skeletal muscle. .
Source	Eukaryota
Protein Name	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human DDAH1 (195-226aa QKALKIMQQMSDHRDYLTPDDIAANCIYLN), different from the related mouse and rat sequences by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time. Avoid repeated

freezing and thawing.

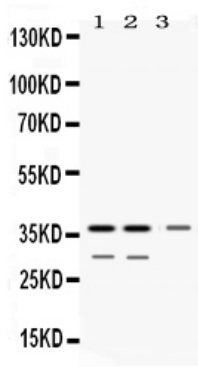
Protein Information

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.

Background

DDAH1 is known as dimethylarginine dimethylaminohydrolase 1 which is mapped to chromosome 1p22 by radiation hybrid and FISH analysis. This gene belongs to the dimethylarginine dimethylaminohydrolase (DDAH) gene family. DDAH1 plays a role in nitric oxide generation by regulating cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity. It is widely expressed, especially in liver and kidney.

Images



Western blot analysis of DDAH1 expression in rat kidney extract (lane 1), mouse kidney extract (lane 2) and HELA whole cell lysates (lane 3). DDAH1 at 31KD, 37KD was detected using rabbit anti- DDAH1 Antigen Affinity purified polyclonal antibody (Catalog # ABO11618) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.