

Anti-DDAH1 Picoband Antibody
Catalog # ABO11618**Specification**

Anti-DDAH1 Picoband Antibody - 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.

Anti-DDAH1 Picoband Antibody - 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 MW KDa

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. .

Protein Name

N(G),N(G)-dimethylarginine dimethylaminohydrolase 1

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human DDAH1 (195-226aa QKALKIMQQMSDHRDYDKLTVPDDIAANCIYLN), 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.

Anti-DDAH1 Picoband 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.

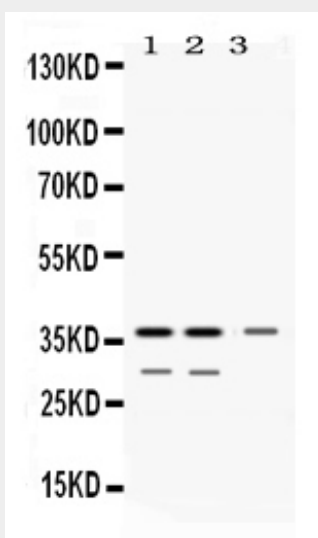
Tissue Location

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

Anti-DDAH1 Picoband 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](#)

Anti-DDAH1 Picoband Antibody - 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 .

Anti-DDAH1 Picoband Antibody - 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.