

Anti-DDAH1 Monoclonal Antibody
Catalog # ABO14604**Specification**

Anti-DDAH1 Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	O94760
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse, Monkey
Clonality	Monoclonal
Format	Liquid

Description

Anti-DDAH1 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Monkey, Mouse, Rat.

Anti-DDAH1 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, DDAH1, Dimethylargininase-1, DDAH1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=2715 target="_blank">HGNC:2715), DDAH

Application Details

WB 1:1000-1:5000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:40
FC 1:30

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human DDAH1 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.

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-DDAH1 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.

Anti-DDAH1 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 Cytometry](#)
- [Cell Culture](#)

Anti-DDAH1 Monoclonal Antibody - Images

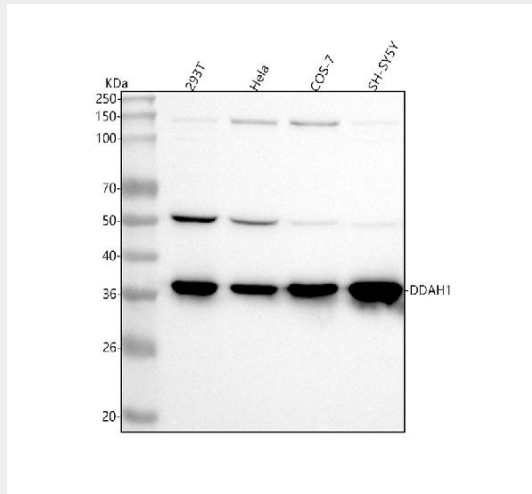


Figure 1. Western blot analysis of DDAH1 using anti-DDAH1 antibody (M03136).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,

Lane 2: human HeLa whole cell lysates,

Lane 3: monkey COS-7 whole cell lysates,

Lane 4: human SH-SY5Y whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-DDAH1 antigen affinity purified monoclonal antibody (Catalog # M03136) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes

each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for DDAH1 at approximately 37 kDa. The expected band size for DDAH1 is at 31 kDa.