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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, DDAHI, Dimethylargininase-1, DDAH1 (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

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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 Cytomety
- Cell Culture

Anti-DDAH1 Monoclonal Antibody - Images

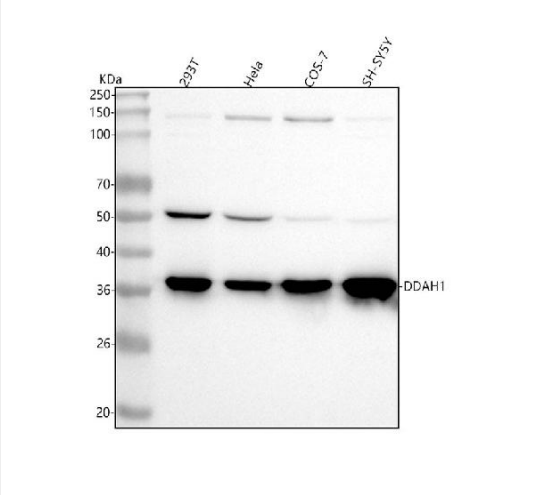

Figure 1. Western blot analysis of DDAH1 using anti-DDAH1 antibody (M03136).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 293T whole 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.