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Anti-DDAH1 Monoclonal Antibody

Catalog # ABO14604

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.

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
Calculated MW	31122
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:40 FC 1:30
Source	Eukaryota
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.
Clone Names	Clone: AEAG-4
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.

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.

Images

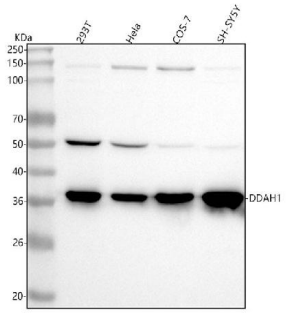

Figure 1. Western blot analysis of DDAH1 using anti-DDAH1 antibody (M03136).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 293T whole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