UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

EB05278 - Goat Anti-DDAH1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: DDAH1, dimethylarginine dimethylaminohydrolase 1, DDAH, DDAHI, NG, NG-dimethylarginine dimethylaminohydrolase, RP4-621F18.1, FLJ21264, FLJ25539
Official Symbol: DDAH1
Accession Number(s): NP_036269.1; NP_001127917.1; NP_001317584.1
Human GeneID(s): 23576
Important Comments: This antibody is expected to recognize both reported isoforms (NP_036269.1and NP_001127917.1).

Immunogen

Peptide with sequence TCCSVLINKKVDS, from the C Terminus of the protein sequence according to NP_036269.1; NP_001127917.1; NP_001317584.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:1000.
Western blot: Approx 37kDa band observed in Human Cerebellum, Kidney and Testis lysates, and in lysates of cell lines HepG2 and LNCaP (calculated MW of 31.1kDa according to NP_036269.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in HeLa and U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Cow

EB05278 (0.3µg/ml) staining of HepG2 (A) and LNCaP (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05278 (0.3µg/ml) staining of Human Cerebellum (A), Kidney (B) and Testes (C) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05278 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic, nuclear and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB05278 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB05278 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.