



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05278 - Goat Anti-DDAH1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DDAH1, dimethylarginine dimethylaminohydrolase 1, DDAH, DDAH1, 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\_036269.1 and 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.

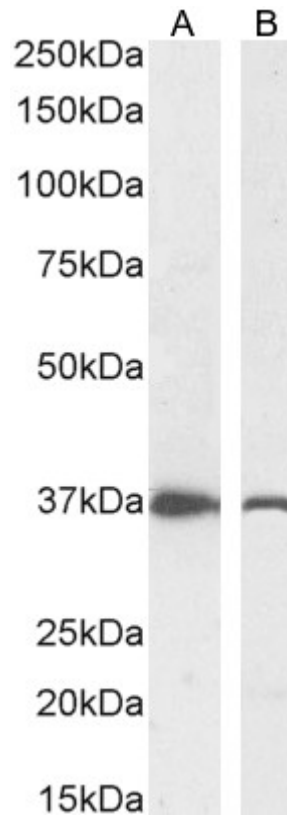
**Immunofluorescence:** Strong expression of the protein seen in HeLa and U2OS cells. Recommended concentration: 10µg/ml.

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

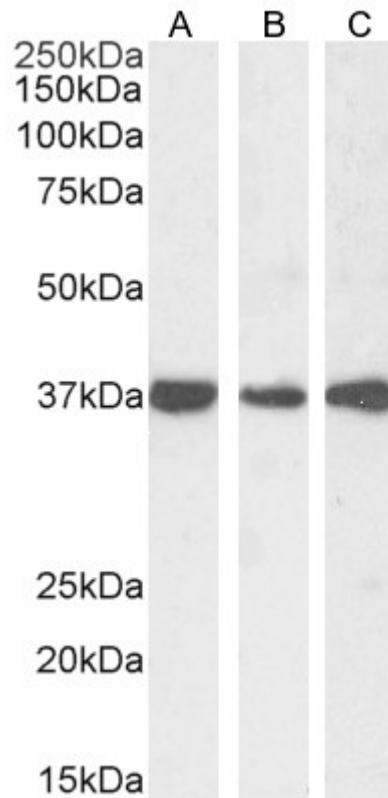
### Species Reactivity

**Tested:** Human

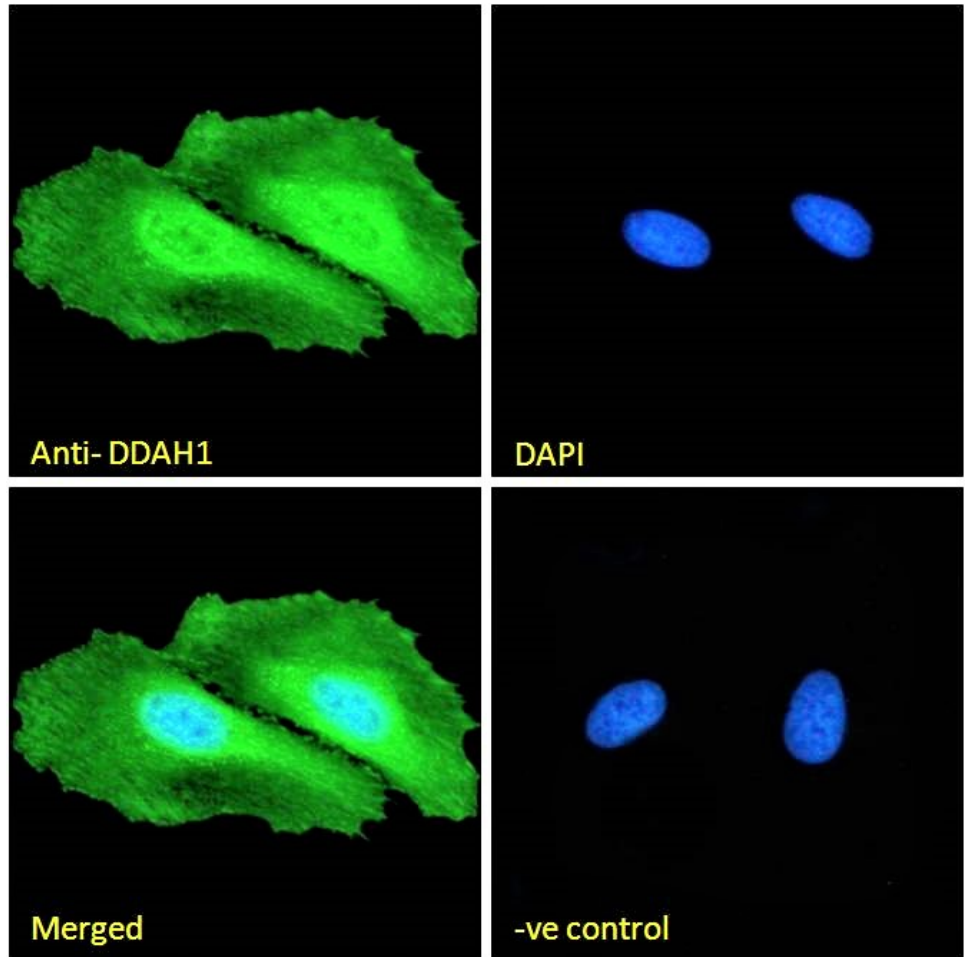
**Expected from sequence similarity:** Human, Cow



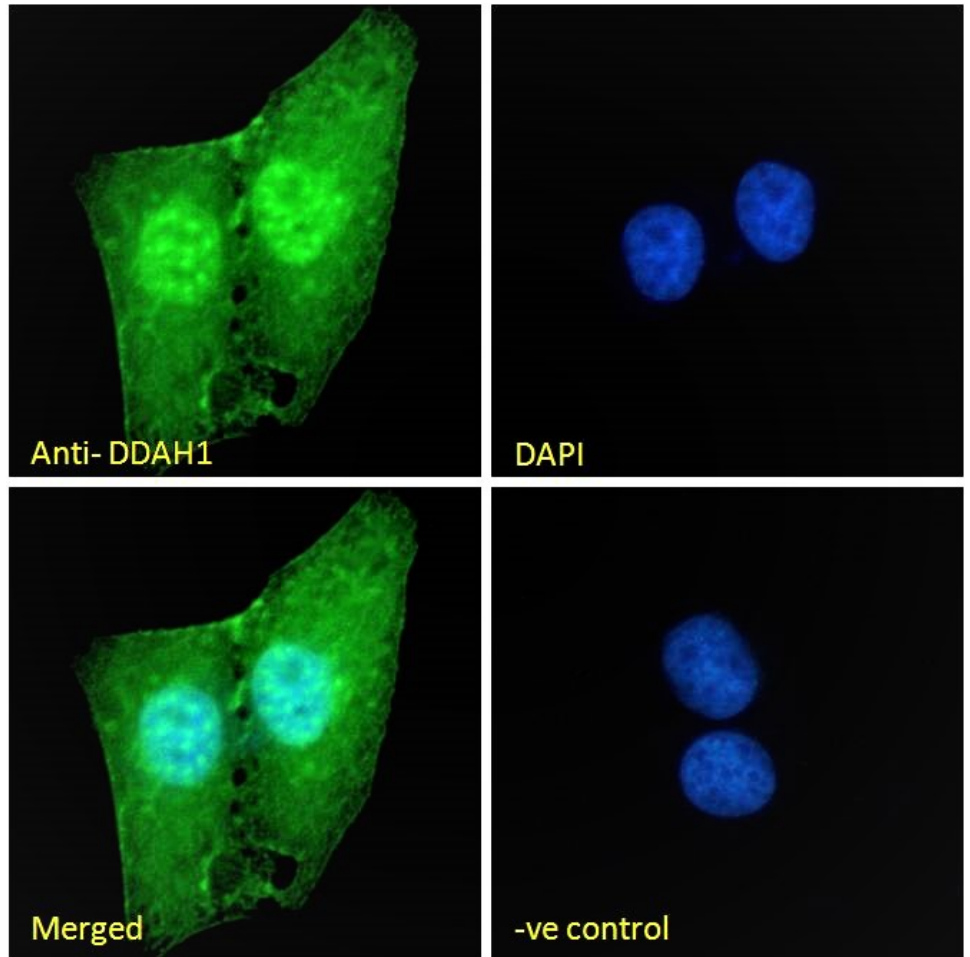
EB05278 (0.3 $\mu$ g/ml) staining of HepG2 (A) and LNCaP (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



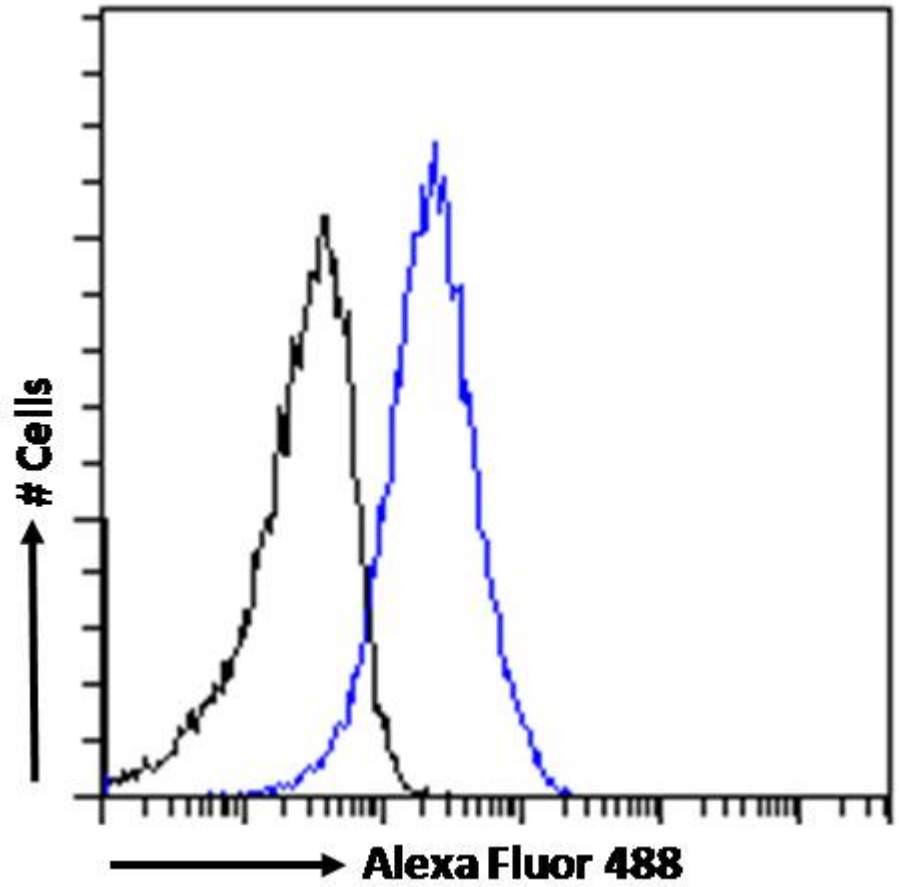
EB05278 (0.3 $\mu$ g/ml) staining of Human Cerebellum (A), Kidney (B) and Testes (C) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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.