

#### **International Office**

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# EB11448 - Goat Anti-Hdac2 (mouse) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: D10Wsu179e, HD2, histone deacetylase 2, mRPD3,

OTTMUSP00000022803, YAF1, YY1 transcription factor-binding protein, Yy1bp, Hdac2

Official Symbol: Hdac2

Accession Number(s): NP\_032255.2

Human GenelD(s): 3066

Non-Human GenelD(s): 15182 (mouse), 84577 (rat)

Important Comments: This antibody imay cross-react with HDAC1

### **Immunogen**

Peptide with sequence C-PEDAVHEDSGDE, from the internal region of the protein sequence according to NP\_032255.2.

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 1:2000.

**Western blot:** Approx 55-60kDa band observed in nuclear lysates of cell line HEK293 (calculated MW of 55.3kDa according to NP\_032255.2). Recommended concentration: 1-2µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the nuclei of U251 cells and additionally in the membrane and cytoplasm of NIH3T3 cells. Recommended concentration: 10µg/ml.

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

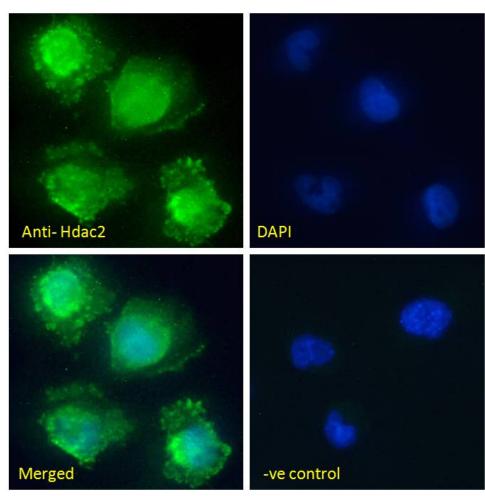
### **Species Reactivity**

Tested: Human, Mouse

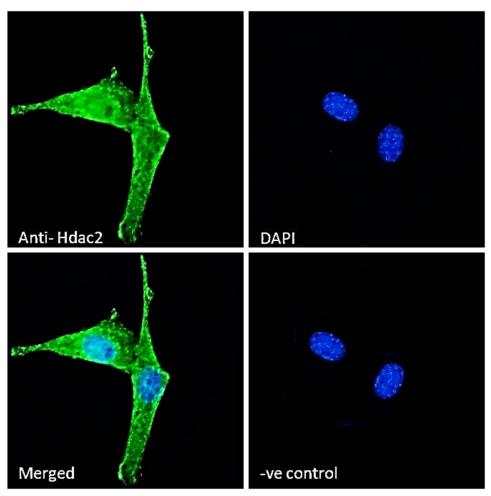
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



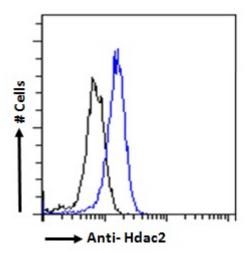
EB11448 (1µg/ml) staining of HEK293 nuclear cell lysate. (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB11448 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa



EB11448 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane, cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11448 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 (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.