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

## 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 GeneID(s):** [3066](#)

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

**Important Comments:** This antibody may 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.

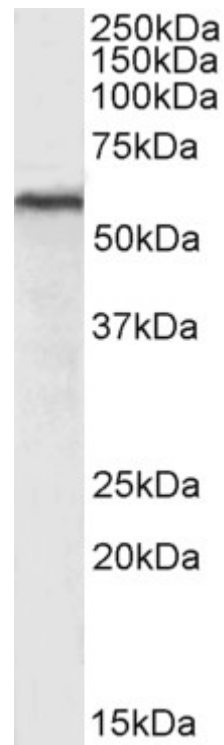
**Immunofluorescence:** Strong expression of the protein seen in the nuclei of U251 cells and additionally in the membrane and cytoplasm of NIH3T3 cells. Recommended concentration: 10µg/ml.

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

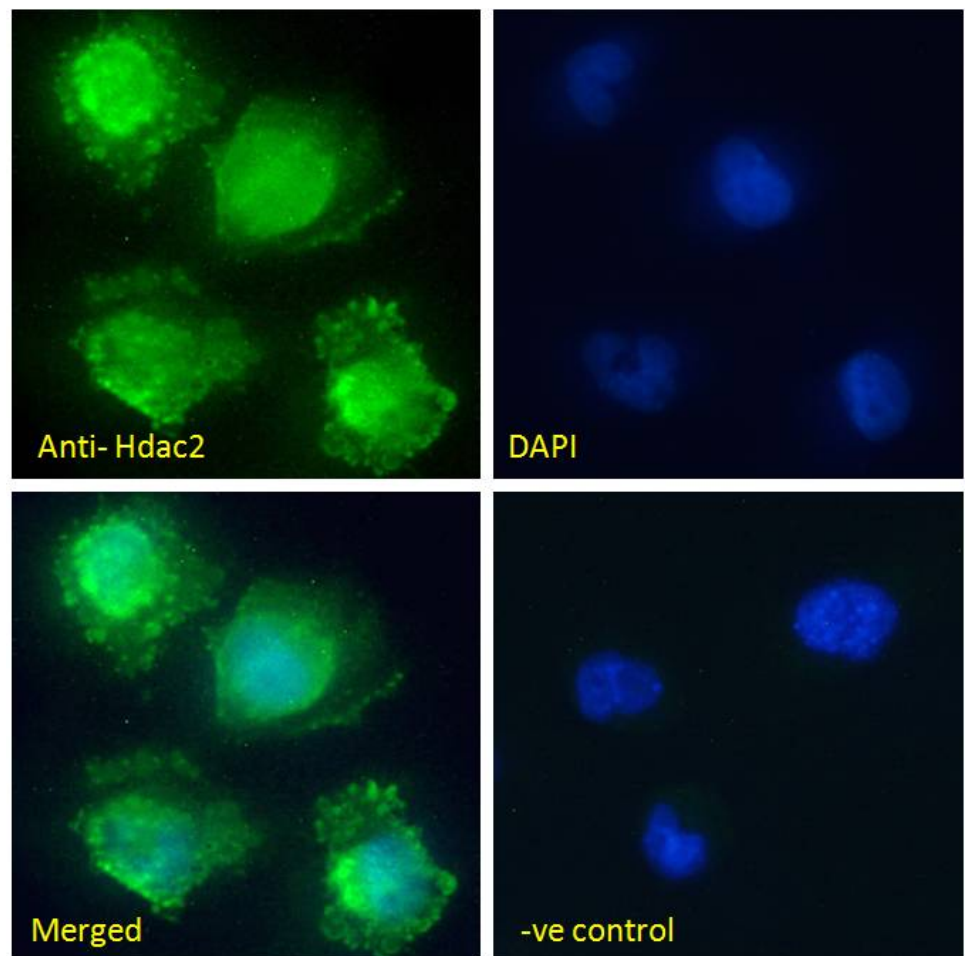
### Species Reactivity

**Tested:** Human, Mouse

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

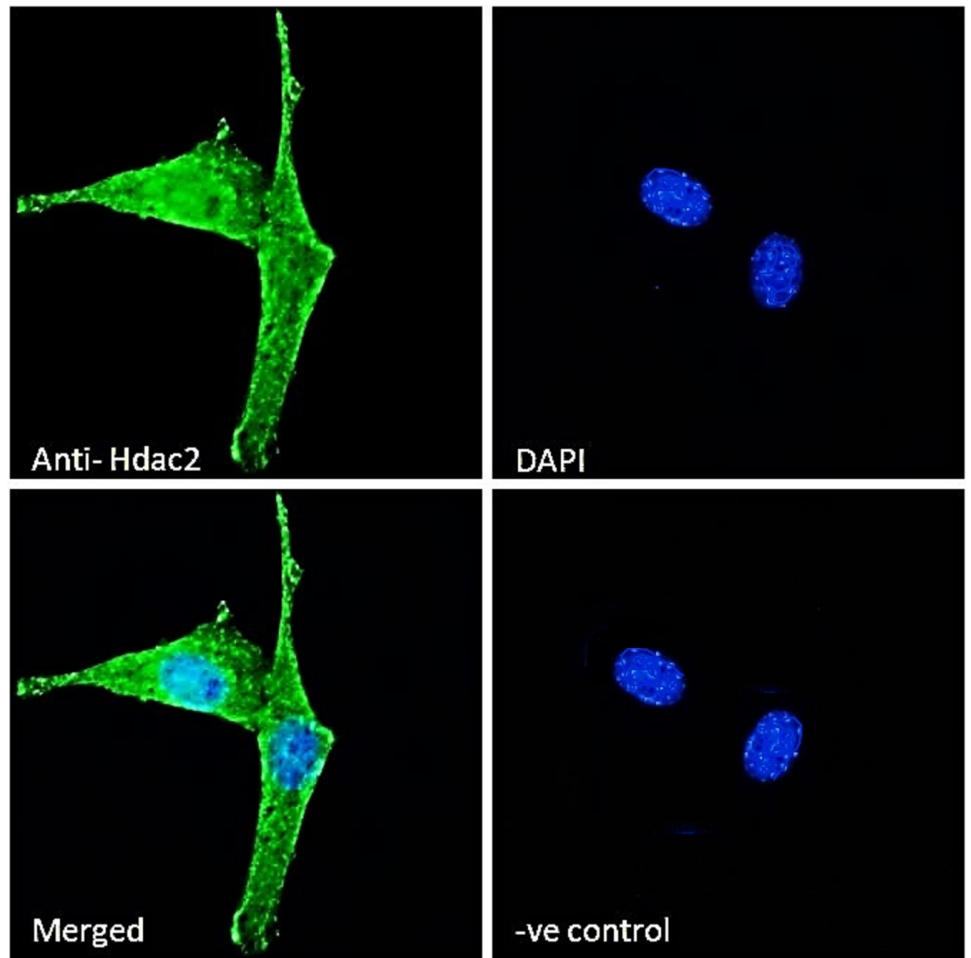


EB11448 (1 $\mu$ g/ml) staining of HEK293 nuclear cell lysate. (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.

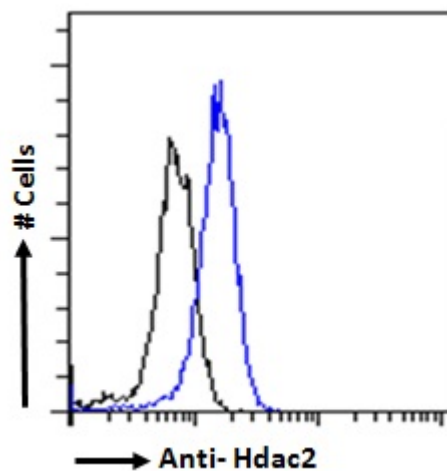


EB11448 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat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

Fluor 488 secondary antibody (2ug/ml).



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.