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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 GeneID(s): 3066
Non-Human GeneID(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.

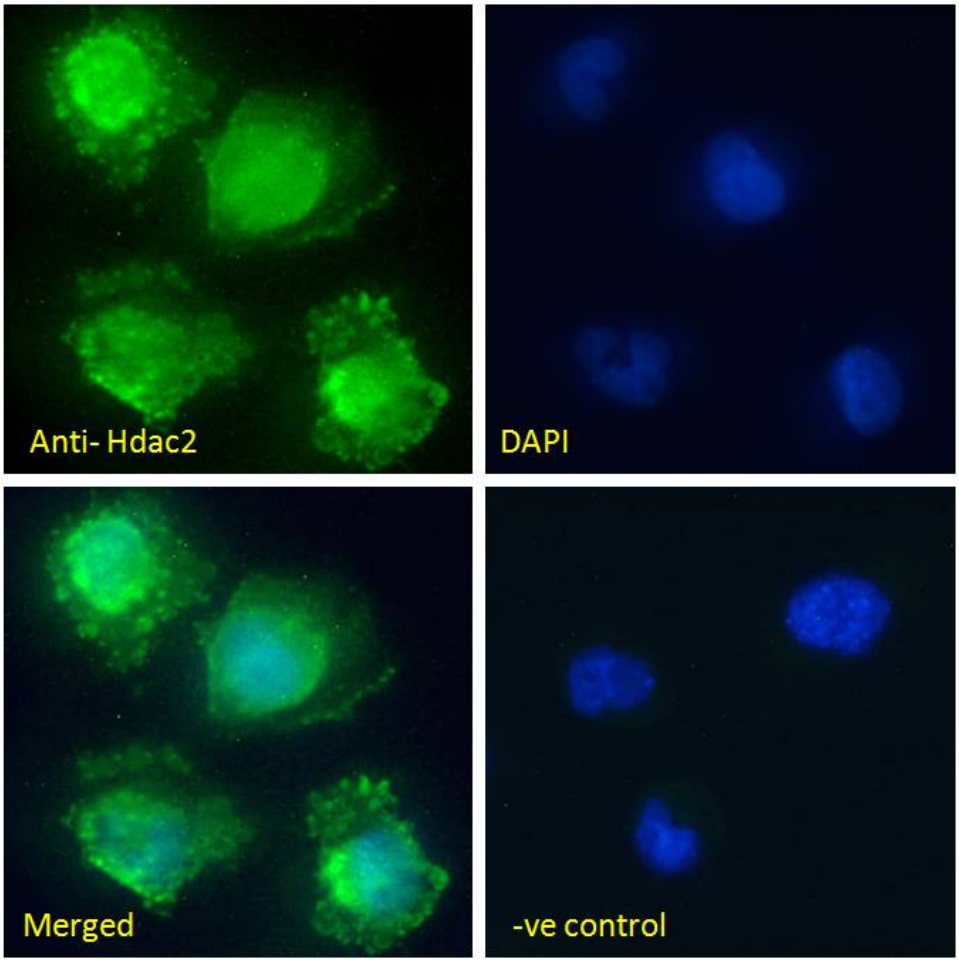
Immunofluorescence: Strong expression of the protein seen in the nuclei of U251 cells and additionally in the membrane and cytoplasm of NIH3T3 cells. Recommended concentration: 10µg/ml.

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

Species Reactivity

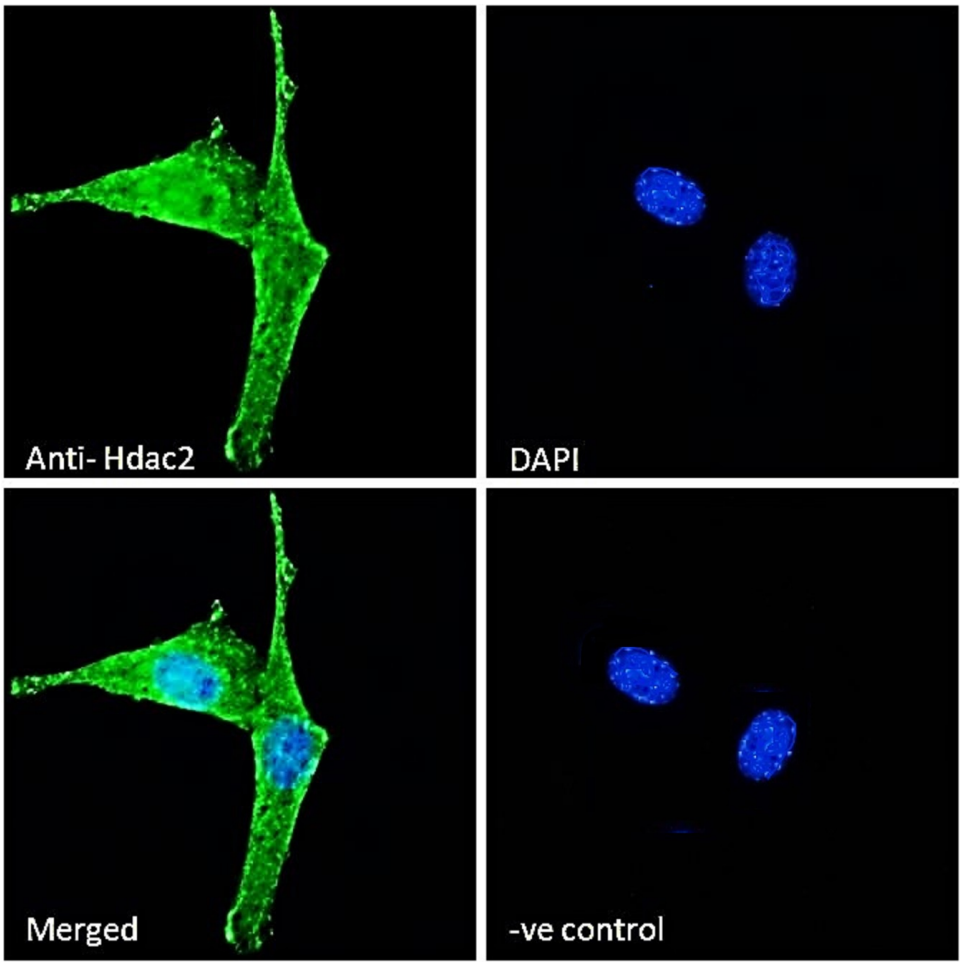
Tested: Human, Mouse
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

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

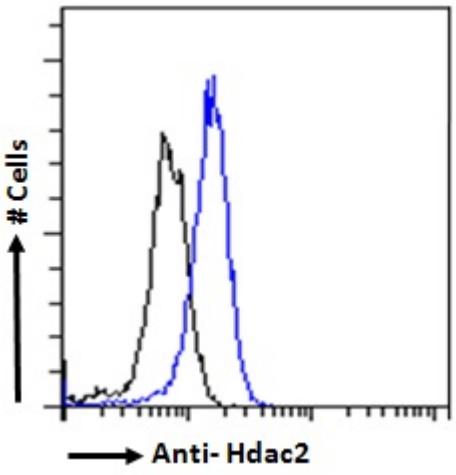


EB11448 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)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

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.