

## Hdac2 Antibody | anti-Hdac2 antibody

Goat anti-Hdac2 (mouse) Antibody

|                              |                                                                                         |                                                                                                  |
|------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA61811</b> | REACTIVITY<br><b>Human</b> Expected from sequence similarity: Mouse, Rat, Dog, Pig, Cow | APPLICATIONS<br><b>Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, ELISA</b> |
|------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|

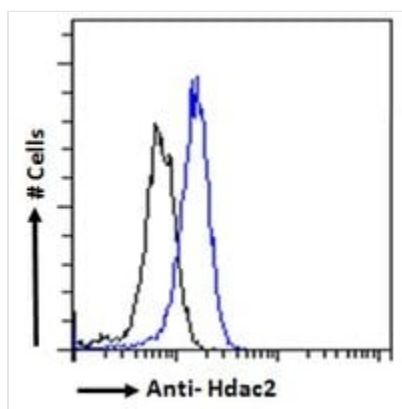
### PRODUCT SYNONYMS

Hdac2; Goat anti-Hdac2 (mouse) Antibody; histone deacetylase 2; D10Wsu179e; YAF1; Yy1bp; mRPD3; HD2; OTTMUSP00000022803; YY1 transcription factor-binding protein; anti-Hdac2 antibody

### PRODUCT SPECIFICATIONS

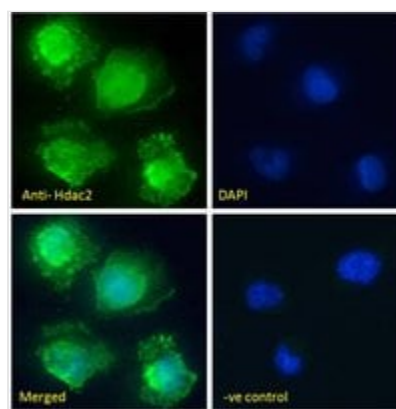
|                                                 |                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human<br>Expected from sequence similarity: Mouse, Rat, Dog, Pig, Cow                                                                 |
| Purity/Purification                             | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Form/Format                                     | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.                                       |
| Sequence Length                                 | 488                                                                                                                                   |
| Applicable Applications for anti-Hdac2 antibody | FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), ELISA (Peptide ELISA)                                          |
| Immunogen Sequence                              | Peptide with sequence C-PEDAVHEDSGDE, from the internal region of the protein sequence according to NP_032255.2.                      |
| Peptide Sequence + C                            | C-PEDAVHEDSGDE                                                                                                                        |
| Epitope                                         | Internal Region                                                                                                                       |
| Note                                            | This antibody may cross-react with HDAC1                                                                                              |
| Preparation and Storage                         | Aliquot and store at -20 degree C. Minimize freezing and thawing.                                                                     |

### IMAGES



#### FCM/FACS (Flow Cytometry)

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.



#### IF (Immunofluorescence)

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).



**IHC (Immunohistochemistry)**  
 1ug/ml) staining of HEK293 nuclear cell lysate. (35ug protein in RIPA buffer). Detected by chemiluminescence.

### NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 87162464                       |
| NCBI GeneID                      | 15182                          |
| NCBI Accession #                 | NP_032255.2                    |
| NCBI GenBank Nucleotide #        | NM_008229.2                    |
| UniProt Accession #              | P70288; B2RRP3                 |
| Molecular Weight                 | 55.3kDa                        |
| NCBI Official Full Name          | histone deacetylase 2          |
| NCBI Official Synonym Full Names | histone deacetylase 2          |
| NCBI Official Symbol             | Hdac2                          |
| NCBI Official Synonym Symbols    | YAF1; Yy1bp; mRPD3; D10Wsu179e |
| NCBI Protein Information         | histone deacetylase 2          |
| UniProt Protein Name             | Histone deacetylase 2          |
| UniProt Gene Name                | <b>Hdac2</b>                   |
| UniProt Synonym Gene Names       | Yy1bp; HD2                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/cow-dog-human-mouse-pig-rat-antibody/hdac2/61811>