HDAC2 Antibody
Rabbit Polyclonal

Antigen Affinity Purified  Protein ID  NP_001518.1
Catalog No.  A300–705A  GeneID  3066

<table>
<thead>
<tr>
<th>APPLICATIONS</th>
<th>WB, IP, IHC, ChIP-Seq</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIES REACTIVITY</td>
<td>Human, Mouse</td>
</tr>
<tr>
<td>AMOUNT</td>
<td>100 µl</td>
</tr>
<tr>
<td>CONCENTRATION</td>
<td>200 µg/ml</td>
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<tr>
<td>STORAGE/SHELF LIFE</td>
<td>2 – 8° C / 1 year from date of receipt</td>
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<tr>
<td>PHYSICAL STATE</td>
<td>Liquid</td>
</tr>
<tr>
<td>BUFFER</td>
<td>Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide</td>
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<tr>
<td>ISOTYPE</td>
<td>IgG</td>
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<tr>
<td>ORIGIN</td>
<td>USA</td>
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| PRODUCTION PROCEDURES | Antibody was affinity purified using an epitope specific to HDAC2 immobilized on solid support. The epitope recognized by A300–705A maps to a region between residue 425 and the C-terminus (residue 488) of human Histone Deacetylase 2 using the numbering given in entry NP_001518.1 (GeneID 3066).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS

Western Blot  1:2,000 – 1:10,000
Immunoprecipitation  2 – 5 µg/mg lysate
Immunohistochemistry  1:200 – 1:1,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
ChIP–Seq  10 µg as per Ram O et al., Cell. 2011 Dec 23;147(7):1628–39. Previous lots of this antibody have performed in this application.

APPLICATION NOTES

Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020), Goat anti–Rabbit Light Chain HRP Conjugate (Cat. No. A120–113P) and 4–20% SDS–PAGE (link to IP–western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4–20% SDS–PAGE.

IHC HUMAN CONTROLS

Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma

IHC MOUSE CONTROLS

Squamous Cell Carcinoma

ADDITIONAL INFO

https://www.bethyl.com/product/A300–705A
Use the link above to view SDS, a current list of citations, and other product specific information.
IP–western blot protocol: https://www.bethyl.com/content/protocol_IP_WB
Detection of human and mouse HDAC2 by western blot (h&m) and immunoprecipitation (h). **Samples:** Whole cell lysate from HeLa (S, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg), and mouse NIH 3T3 (M; 50 µg) cells. **Antibodies:** Affinity purified rabbit anti-HDAC2 antibody BL2667 (Cat. No. A300–705A) used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate (B). HDAC2 was also immunoprecipitated using rabbit anti-HDAC2 antibody BL2666 (Cat. No. A300–704A) at 3 µg/mg lysate. **Detection:** Chemiluminescence with exposure times of 30 seconds (A) and 3 seconds (B).

Detection of human HDAC2 by immunohistochemistry. **Sample:** FFPE section of human ovarian carcinoma. **Antibody:** Affinity purified rabbit anti–HDAC2 (Cat. No. A300–705A Lot1) used at a dilution of 1:200 (1 µg/ml). **Detection:** DAB