

# Product Datasheet

## Histone Deacetylase 2/HDAC2 Antibody - Azide and BSA Free NBP1-44095

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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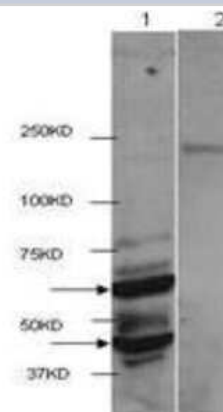
**NBP1-44095****Histone Deacetylase 2/HDAC2 Antibody - Azide and BSA Free**

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 mg   |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                     | Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>                   | Polyclonal   |
| <b>Preservative</b>                | No Preservative  |
| <b>Isotype</b>                     | IgG  |
| <b>Purity</b>                      | Immunogen affinity purified  |
| <b>Buffer</b>                      | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 30% Glycerol   |
| <b>Product Description</b>         |  |
| <b>Description</b>                 | <p>This antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> |
| <b>Host</b>                        | Rabbit   |
| <b>Gene ID</b>                     | 3066   |
| <b>Gene Symbol</b>                 | HDAC2  |
| <b>Species</b>                     | Human, Mouse, Rat, Primate   |
| <b>Reactivity Notes</b>            | A BLAST analysis was used to suggest cross-reactivity with Human, Mouse, Rat, and Primate based on 100% sequence homology. Cross-reactivity with HDAC2 from other sources has not been determined.   |
| <b>Immunogen</b>                   | Histone Deacetylase 2/Histone Deacetylase 2/HDAC2 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the near C-terminal region of human Histone Deacetylase 2/HDAC2. (Uniprot: Q92769)  |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry   |
| <b>Recommended Dilutions</b>       | Western Blot 1 ug/ml, ELISA 1:20000-1:60000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence 1:100-1:500   |
| <b>Application Notes</b>           | This product is tested for ELISA and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~59 kDa corresponding to the appropriate cell lysate or extract.  |



## Images

Western Blot: Histone Deacetylase 2/HDAC2 Antibody [NBP1-44095] - Lane 1: mouse brain extract. Lane 2: mouse brain extract blocked with peptide. Load: 4 ug per lane. Primary antibody: HDAC2 antibody at 1ug/mL for overnight at 4C. Secondary antibody: IRDye800 rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 59 kDa for HDAC2.



## Publications

de Ruijter AJ et al. Histone deacetylases (HDACs): characterization of the classical HDAC family. *Biochem J*;370(Pt 3):737-49. 2003-03-15 [PMID: 12429021]



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### **Products Related to NBP1-44095**

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|                 |   |
|-----------------|---|
| HAF008          | Goat anti-Rabbit IgG Secondary Antibody [HRP]             |
| NB7160          | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]       |
| NBP2-24891      | Rabbit IgG Isotype Control                                |
| NBP1-72399-50ug | Recombinant Human Histone Deacetylase 2/HDAC2 His Protein |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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