

## Anti-HDAC2 (Ser394) Antibody

Our Anti-HDAC2 (Ser394) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is  
Catalog # AN1425

### Specification

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#### Anti-HDAC2 (Ser394) Antibody - Product Information

Primary Accession	<a href="#">O92769</a>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>55364</b>

#### Anti-HDAC2 (Ser394) Antibody - Additional Information

Gene ID **3066**

##### Other Names

D10Wsu179e antibody, HD 2 antibody, HD2 antibody, HDAC 2 antibody, Hdac2 antibody, HDAC2\_HUMAN antibody, Histone deacetylase 2 (HD2) antibody, Histone deacetylase 2 antibody, OTTHUMP00000017046 antibody, OTTHUMP00000227077 antibody, OTTHUMP00000227078 antibody, RPD3 antibody, transcriptional regulator homolog RPD3 antibody, YAF1 antibody, YY1 associated factor 1 antibody, YY1 transcription factor binding protein antibody, Yy1bp antibody

##### Target/Specificity

Histone Deacetylase 2 (HDAC2) is part of a family of histone deacetylases that are responsible for deacetylation of lysine residues in the histone core. HDAC2 is classified as a class I histone deacetylase and is ubiquitously expressed throughout the body (Kee et al, 2008). It has been shown that HDAC2 plays an important role in cardiac hypertrophy (Eom et al, 2011). Phosphorylation of Ser-394 is responsible for the hypertrophy-associated activation of HDAC2, whereas intrinsic basal activity is maintained by phosphorylation of Ser-422 and Ser-424 (EOM et al, 2011).

##### Format

Antigen Affinity Purified from Pooled Serum

##### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

##### Precautions

Anti-HDAC2 (Ser394) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

##### Shipping

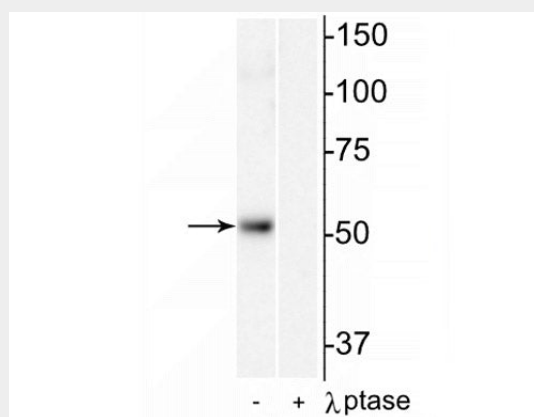
Blue Ice

#### Anti-HDAC2 (Ser394) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-HDAC2 (Ser394) Antibody - Images



Western blot of mouse heart lysate showing specific immunolabeling of the ~55 kDa HDAC2 protein phosphorylated at Ser394 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by blot treatment with lambda phosphatase ( $\lambda$ -Ptase, 1200 units for 30 min).

#### Anti-HDAC2 (Ser394) Antibody - Background

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