10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-HDAC2 (Ser394) Antibody

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

Specification

Anti-HDAC2 (Ser394) Antibody - Product Information

Primary Accession	Q92769
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	55364

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

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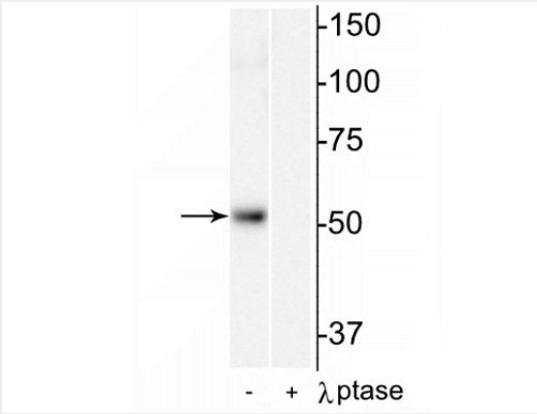
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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 (λ-Ptase, 1200 units for 30 min).

Anti-HDAC2 (Ser394) Antibody - Background

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