

HDAC1 (phospho-S421) polyclonal antibody

Catalog: BS4693

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Acetylation of lysine residues in the amino-terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, PCAF (for p300/CBP-associated factor), p300/CBP and the TFIID subunit TAF II p250. Mammalian HDAC1 (also designated HD1), HDAC2 (also designated mammalian RPD3) and HDAC3, all of which are related to the yeast transcriptional regulator Rpd3p, have been identified as histone deacetylases.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 55 kDa

Swiss-Prot:

Q13547

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

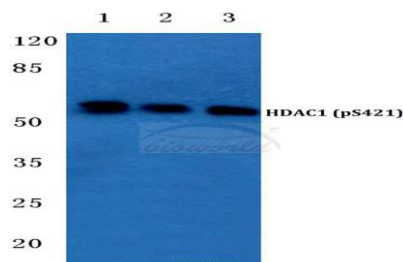
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-HDAC1 (S421) polyclonal antibody detects endoge-

nous levels of HDAC1 protein only when phosphorylated at Ser421.

DATA:

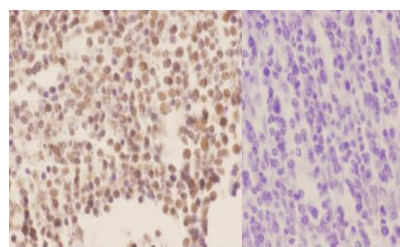


Western blot (WB) analysis of p-HDAC1 (S421) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate treated with EGF(0.1ng/ML,30mins)

Lane2:Mouse spleen tissue lysate

Lane3:H9C2 cell lysate treated with EGF(0.1ng/ML,30mins)



Immunohistochemistry (IHC) analyzes of p-HDAC1 (S421) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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