

## Histone Deacetylase 3 (Phospho-S424) polyclonal antibody

Catalog: BS64528

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. 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 (p300/CBP-associated factor), p300/CBP and the TFIID subunit TAF II p250. Mammalian HDAC1 (also designated HD1), HDAC2 (also designated RPD3) and HDAC3, all of which are related to the yeast transcriptional factor 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:

~ 49 kDa

### Swiss-Prot:

O15379

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1:500~1:1000 IHC:1:50~1:200 IF:1:50~1:200

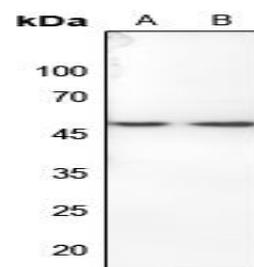
### Storage&Stability:

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

### Specificity:

Histone Deacetylase 3 (Phospho-S424) polyclonal antibody detects endogenous levels of Histone Deacetylase 3 protein only when phosphorylated at Ser424.

### DATA:



Western blot (WB) analysis of Histone Deacetylase 3 (Phospho-S424) polyclonal antibody at 1:500 dilution

LaneA:HeLa whole cell lysate

LaneB:HGC27 whole cell lysate

### Note:

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

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