

## HDAC7 (G932) polyclonal antibody

Catalog: BS1166

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 (for p300/CBP-associated factor), p300/CBP and the TFIID subunit TAF II p250. Mammalian HDAC7 is a histone deacetylase that interacts with the adaptor mSin3A. The interaction of HDAC7 with mSin3A suggests the association of multiple repression complexes of transcription factors.

### Product:

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

### Molecular Weight:

~ 105 kDa

### Swiss-Prot:

Q8WUI4

### 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:

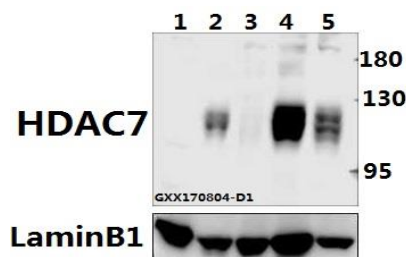
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

HDAC7 (G932) polyclonal antibody detects endogenous levels of HDAC7 protein.

### DATA:



Western blot (WB) analysis of HDAC7 (G932) pAb at 1:500 dilution

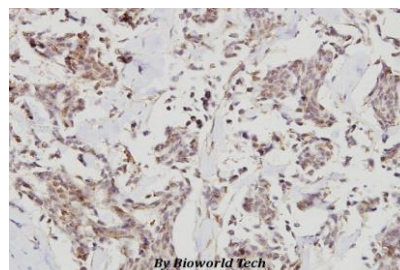
Lane1:C6 whole cell lysate(40ug)

Lane2:3T3-L1 whole cell lysate(40ug)

Lane3:HeLa whole cell lysate(40ug)

Lane4:MCF-7 whole cell lysate(40ug)

Lane5:U-87MG whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of HDAC7 (G932) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

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