

## HDAC5 (phospho-S498) polyclonal antibody

Catalog: BS4086

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

HDAC5 is a member of the class II mammalian histone deacetylase family, which is structurally related to yeast HDA1. Human HDAC5 is composed of 1122 amino acid residues. The deacetylase domain of HDAC5 is located at the C-terminal half of the molecule. The N-terminal non-deacetylase domain does not show any significant homology with any published sequence. Both domains are required for HDAC5-mediated repression of gene transcription. HDAC5 interacts with a growing number of transcriptional factors including MEF2A as well as other HDAC proteins. The interacting complexes bind to specific regions of chromatin and regulate gene transcription in these regions.

### Product:

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

### Molecular Weight:

~ 140 kDa

### Swiss-Prot:

Q9UQL6

### 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

IF: 1:50~1:200

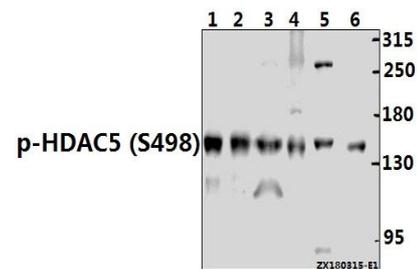
### Storage&Stability:

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

### Specificity:

p-HDAC5 (S498) polyclonal antibody detects endogenous levels of HDAC5 protein only when phosphorylated at Ser498.

### DATA:



Western blot (WB) analysis of p-HDAC5 (S498) pAb at 1:1000 dilution

Lane1: The Uterus tissue lysate of Rat(40ug)

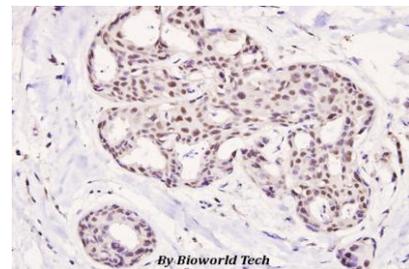
Lane2: BV2 whole cell lysate(40ug)

Lane3: C6 whole cell lysate(40ug)

Lane4: HEK293T whole cell lysate(40ug)

Lane5: HeLa whole cell lysate(40ug)

Lane6: U-87MG whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-HDAC5 (S498) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151