

**bs-10329R****[ Primary Antibody ]****phospho-HDAC5 (Ser498) Rabbit pAb****Bioss**  
**ANTIBODIES**

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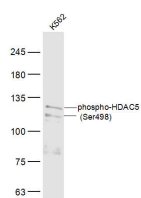
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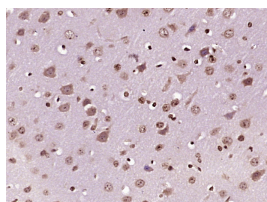
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 10014**SWISS:** Q9UQL6**Target:** HDAC5 (Ser498)**Immunogen:** KLH conjugated synthesised phosphopeptide derived from human HDAC5 around the phosphorylation site of Ser498: TQ(p-S)SP.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

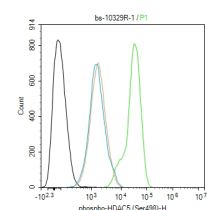
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse  
(predicted: Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)**Predicted MW.:** 123 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: K562(Human) Cell Lysate at 30 ug  
 Primary: Anti-phospho-HDAC5 (Ser498)  
 (bs-10329R) at 1/300 dilution Secondary:  
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
 dilution Predicted band size: 123 kD Observed  
 band size: 123/112 kD



Paraformaldehyde-fixed, paraffin embedded  
 (mouse brain tissue); Antigen retrieval by boiling  
 in sodium citrate buffer (pH6.0) for 15min; Block  
 endogenous peroxidase by 3% hydrogen  
 peroxide for 20 minutes; Blocking buffer (normal  
 goat serum) at 37°C for 30min; Antibody  
 incubation with (HDAC5 (Ser498)) Polyclonal  
 Antibody, Unconjugated (bs-10329R) at 1:400  
 overnight at 4°C, followed by operating  
 according to SP Kit(Rabbit) (sp-0023)  
 instructions and DAB staining.



Blank control (black line) :HeLa. Primary  
 Antibody (green line): Rabbit Anti-phospho-  
 HDAC5 (Ser498) antibody (bs-10329R)  
 Dilution:1ug/Test; Secondary Antibody (white  
 blue line) : Goat anti-rabbit IgG-AF488 Dilution:  
 0.5ug/Test. Isotype control (orange line) :  
 Normal Rabbit IgG Protocol The cells were fixed  
 with 4% PFA (10min at room temperature) and  
 then permeabilized with 90% ice-cold methanol  
 for 20 min at -20°C. The cells were then  
 incubated in 5%BSA to block non-specific  
 protein-protein interactions for 30 min at room  
 temperature .Cells stained with Primary  
 Antibody for 30 min at room temperature. The  
 secondary antibody used for 40 min at room  
 temperature. Acquisition of 20,000 events was  
 performed.