bs-3174R **[Primary Antibody]**

phospho-HDAC3 (Ser424) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8841 **SWISS:** O15379

Target: HDAC3 (Ser424)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human HDAC3 around the phosphorylation site of Ser424: KE(p-S)DV.

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 histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene. [provided by RefSeq, Jul 2008]

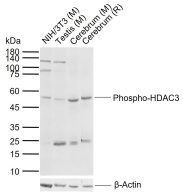
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat

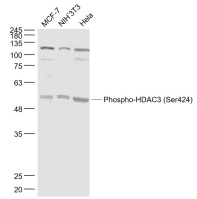
Predicted MW.: 47 kDa

Subcellular Location: Cell membrane ,Nucleus

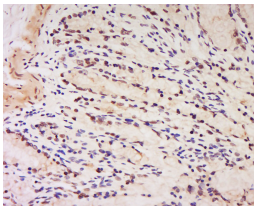
VALIDATION IMAGES



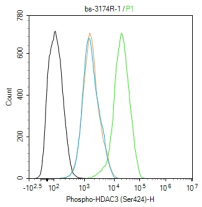
Sample: Lane 1: Mouse NIH/3T3 cell lysates Lane 2: Mouse Testis tissue lysates Lane 3: Mouse Cerebrum tissue lysates Lane 4: Rat Cerebrum tissue lysates Primary: Anti-Phospho-HDAC3 (Ser424) (bs-3174R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kDa Observed band size: 50 kDa



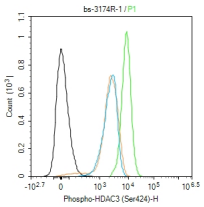
Sample: MCF-7(Human) Cell Lysate at 30 ug NIH/3T3(Mouse) Cell Lysate at 30 ug Hela(Human) Cell Lysate at 30 ug Primary: Anti-Phospho-HDAC3 (Ser424) (bs-3174R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Tissue/cell: Rat rectum tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-HDAC3, Unconjugated(bs-3174R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control（black line）:NIH/3T3. Primary Antibody (green line): Rabbit Anti-Phospho-HDAC3 (Ser424) antibody (bs-3174R)



Blank control（black line）:Molt4. Primary Antibody (green line): Rabbit Anti-Phospho-HDAC3 (Ser424) antibody (bs-3174R)

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.

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