bs-2894R **[Primary Antibody]**

HDAC11 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 79885 **SWISS:** Q96DB2

Target: HDAC11

Immunogen: KLH conjugated synthetic peptide derived from human HDAC11: 21-120/347.

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: Histone deacetylases (HDAC) are a family of 11 enzymes that are involved in the regulation of gene activation and silencing by regulating chromatin structure. HDAC11 is responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Deacetylation of histones is associated with the condensation of chromatin to a compact structure (heterochromatin) in which the genes are silenced. Each member of the HDAC family exhibits a different, individual substrate specificity and function in vivo.
HDACs are known to be associated with a number of well characterized cellular oncogenes and tumour- suppressor genes and inhibitors of HDACs induce growth arrest, differentiation or apoptosis of cancer cells in vitro and in vivo.

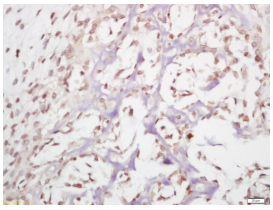
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (2ug/Test)

Reactivity: Human, Mouse (predicted: Rat, Pig, Chicken, Horse)

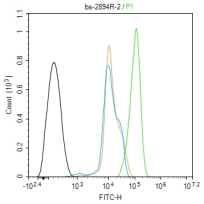
Predicted MW.: 39 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Tissue/cell: mouse embryos 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-HDAC11 Polyclonal Antibody, Unconjugated(bs-2894R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control（black line）:HepG2. Primary Antibody (green line): Rabbit Anti-HDAC11 antibody (bs-2894R) Dilution:2ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-FITC 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.