

bs-2811R**[Primary Antibody]****HDAC6 Rabbit pAb****BioSS**
ANTIBODIES

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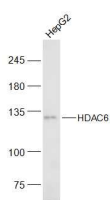
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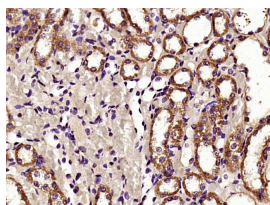
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 10013	SWISS: Q9UBN7	IHC-F (1:100-500)
Target: HDAC6		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human HDAC6: 301-400/1215.		Reactivity: Human, Rat (predicted: Mouse, Rabbit, Cow, Horse)
Purification: affinity purified by Protein A		Predicted MW.: 134 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
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: HDAC6 is a member of the class II mammalian histone deacetylases. Human HDAC6 is composed of 1215 amino acid residues. It possesses two separate putative catalytic domains. Both catalytic domains are fully functional HDACs and contribute independently to the overall activity of HDAC6 protein. A very potent NES is present at the amino-terminus of HDAC6, which was found to play an important role in regulating the shuttling of HDAC6 protein between cytoplasm and nucleus. The shuttling process may be a critical regulatory mechanism of HDAC6 function. The expression of HDAC6 is tightly linked to the state of cell differentiation. HDAC6 may participate in coordinating expression of a group of genes involved in the remodelling of chromatin during cell differentiation.		

— VALIDATION IMAGES —

Sample: HepG2(Human) Cell Lysate at 30 ug
 Primary: Anti-HDAC6 (bs-2811R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 134 kD
 Observed band size: 134 kD



Paraformaldehyde-fixed, paraffin embedded (Rat kidney); 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 (HDAC6) Polyclonal Antibody, Unconjugated (bs-2811R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

— SELECTED CITATIONS —

- **[IF=11.4]** Chun Zhang. et al. Histone deacetylases facilitate Th17-cell differentiation and pathogenicity in autoimmune uveitis via CDK6/ID2 axis. J ADV RES. 2024 Aug; FCM ;Human. 39107200
- **[IF=6.684]** Huihua Kai. et al. LncRNA NORAD Promotes Vascular Endothelial Cell Injury and Atherosclerosis Through Suppressing VEGF Gene Transcription via Enhancing H3K9 Deacetylation by Recruiting HDAC6. Front Cell Dev Biol. 2021; 9:

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

701628 WB ;Human. 34307380

- **[IF=3.3]** Xiangli Li. et al. Sodium arsenite exposure enhances H3K14 acetylation and impairs male spermatogenesis in rat testes. REPROD TOXICOL. 2023 Sep;;108474 WB ;Rat. 37757915
- **[IF=2.7]** Zhi-Hong Wen. et al. Effects of Etanercept on Experimental Osteoarthritis in Rats: Role of Histone Deacetylases. CARTILAGE. ;(): IHC ;Rat. 39057748