

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

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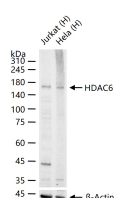
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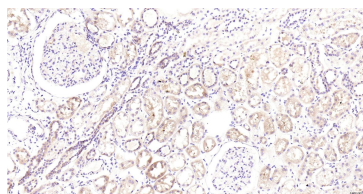
400-901-9800

— DATASHEET —

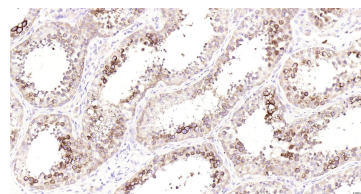
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:50-200)
Clonality: Polyclonal		
GeneID: 10013	SWISS: Q9UBN7	
Target: HDAC6		
Immunogen: KLH conjugated synthetic peptide derived from human HDAC6: 301-400/1215.		
Purification: affinity purified by Protein A		Reactivity: Human
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.		Predicted MW.: 134 kDa
		Observed MW.: 134 kDa
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.		Subcellular Location: Cytoplasm ,Nucleus

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with HDAC6 polyclonal antibody, unconjugated (bs-2811R) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HDAC6 Polyclonal Antibody, Unconjugated (bs-2811R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with HDAC6 Polyclonal Antibody, Unconjugated (bs-2811R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) 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: 701628 WB ;Human. 34307380
- **[IF=5.9]** Qiao Jin. et al. Targeting ADAMTS1/HDAC6 alleviates TGF-β1/SMAD2-associated cardiac fibrosis in cardiac

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fibrosis post-myocardial infarction. CELL BIOL TOXICOL. 2026 Feb 12 IHC ;Mouse. 41677923

- **[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