

bs-1447R**[Primary Antibody]****HIF 2 alpha Rabbit pAb****BioSS**
ANTIBODIES

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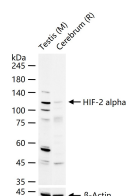
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1:20-100) ICC/IF (1:50-200)
Clonality: Polyclonal		
GeneID: 13819	SWISS: P97481	
Target: HIF 2 alpha		Reactivity: Mouse, Rat (predicted: Human)
Immunogen: KLH conjugated synthetic peptide derived from mouse HIF 2 Alpha: 1-130/874.		
Purification: affinity purified by Protein A		Predicted MW.: 96 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: Transcription factor involved in the induction of oxygen regulated genes. Binds to core DNA sequence 5'-[AG]CGTG-3' within the hypoxia response element (HRE) of target gene promoters. Regulates the vascular endothelial growth factor (VEGF) expression and seems to be implicated in the development of blood vessels and the tubular system of lung. May also play a role in the formation of the endothelium that gives rise to the blood brain barrier. Potent activator of the Tie-2 tyrosine kinase expression. Activation requires recruitment of transcriptional coactivators such as CREBPB and probably EP300. Interaction with redox regulatory protein APEX seems to activate CTAD.		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates
(see on figure) probed with HIF 2 alpha
polyclonal antibody, unconjugated (bs-1447R) at
1:1000 dilution and 4°C overnight incubation.
Followed by conjugated secondary antibody
incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=7.5]** Hai-Yi Zhang. et al. Metabolic disruption exacerbates intestinal damage during sleep deprivation by abolishing HIF1α-mediated repair. CELL REP. 2024 Nov;43: WB ;Mouse. 39527478
- **[IF=4.9]** Qian Zhang. et al. Proteomics and Expression of HIF2α/BNIP3L Signaling in Yak Brains at Different Altitudes. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 2025 Feb 16;26(4):1675. Western Blot, IHC, IF ;Yak. 10.3390/ijms26041675
- **[IF=4.9]** Qian Zhang. et al. Proteomics and Expression of HIF2α/BNIP3L Signaling in Yak Brains at Different Altitudes. int. j. mol. sci.. 2025 Feb 16;26(4):1675. Western blot, IHC ;yak. 40004139
- **[IF=4.8]** Haipiao Huang. et al. Jian-Pi-Yi-Shen formula ameliorates renal fibrosis-induced anemia in rats with chronic

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kidney disease. J ETHNOPHARMACOL. 2024 Dec;335:118607 IHC ;Rat. 39069029

- **[IF=5.174]** Xiong Y et al. Physiological and genetic convergence supports hypoxia resistance in high-altitude songbirds PLoS Genet. 2020 Dec 28;16(12):e1009270. WB ;Bird. 33370292