

bsm-62534R**[Primary Antibody]**

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400-901-9800

HIF-1 Alpha Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: ICC/IF (1:50-200)
Clonality: Recombinant	CloneNo.: 11A3	Reactivity: Human, Mouse, Rat
GeneID: 3091	SWISS: Q16665	
Target: HIF-1 Alpha		
Immunogen: A synthesized peptide derived from human HIF 1 alpha: 300-550/826.		Predicted MW.: 93 kDa
Purification: affinity purified by Protein A		Observed MW.: 110 kDa
Concentration: 0.4mg/ml		Subcellular Location: Cytoplasm ,Nucleus
Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.		
Background: Functions as a master transcriptional regulator of the adaptive response to hypoxia.Under hypoxic conditions, activates the transcription of over 40 genes, including erythropoietin, glucose transporters, glycolytic enzymes, vascular endothelial growth factor, HILPDA, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia.		

— SELECTED CITATIONS —

- **[IF=14.6]** Huisong Hao. et al. A lipid nanosystem establishes precise NO concentration gradient around tumor vessels via endothelial transcytosis, thereby normalizing tumor vasculature and creating an environment beneficial for antitumor immunotherapy. ACTA PHARM SIN B. 2025 Dec;; IF ;Mouse. 10.1016/j.apsb.2025.11.040
- **[IF=13.2]** Zhijing He. et al. A cerium-based ferroptosis/PANoptosis nano-inducer for photothermal-enhanced combination therapy of breast cancer. CHEM ENG J. 2025 Jul IF ;Mouse. 10.1016/j.cej.2025.163961
- **[IF=7.7]** Huanran Qu. et al.NIR-II photo- and sono-responsive hyaluronic acid-capped nanozymes for glioblastoma-targeting theranostics..International Journal of Biological Macromolecules.2025 Mar 4:141737. Western blot,Co-ip ;Mouse. 40049489
- **[IF=6.1]** Ming-Hui Sun. et al.Surface moieties drive the superior protection of curcumin-derived carbon quantum dots against retinal ischemia-reperfusion injury.j mater chem b.2025 Mar 11. IF ;Rat. 40067675
- **[IF=5.4]** Wenxia Gong. et al. Network pharmacology-guided lipidomics and molecular docking reveals the involvement of sphingolipid metabolism and HIF-1 signaling in Xiaoyao San’ s blood-nourishing mechanism against depression. J ETHNOPHARMACOL. 2025 Sep;;120534 WB,IF ;Rat. 40912487