

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

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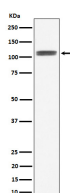
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HIF-1 Alpha Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ICC/IF (1:50-200)
Clonality: Recombinant		
GeneID: 3091	SWISS: Q16665	Reactivity: Human, Mouse, Rat
Target: HIF-1 Alpha		
Immunogen: A synthesized peptide derived from human HIF 1 alpha: 300-550/826.		
Purification: affinity purified by Protein A		Predicted MW.: 93
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.		Subcellular Location: Cytoplasm ,Nucleus
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.		

— VALIDATION IMAGES —

Western blot analysis of HeLa treated with CoCl₂ cell lysate. Using HIF-1 Alpha (bsm-62534R) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=7.7]** 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