

bsm-61581R**[Primary Antibody]****BioSS**
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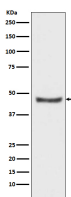
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PHD2 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IP (1:20-50)
Clonality: Recombinant		Reactivity: Human
GeneID: 54583	SWISS: Q9GZT9	
Target: PHD2		
Immunogen: A synthesized peptide derived from human PHD2: 1-51/426.		
Purification: affinity purified by Protein A		
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: Cellular oxygen sensor that catalyzes, under normoxic conditions, the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates a specific proline found in each of the oxygen-dependent degradation (ODD) domains (N-terminal, NODD, and C-terminal, CODD) of HIF1A. Also hydroxylates HIF2A. Has a preference for the CODD site for both HIF1A and HIF1B. Hydroxylated HIFs are then targeted for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.		
		Predicted MW.: 46
		Subcellular Location: Cytoplasm ,Nucleus

— VALIDATION IMAGES —

Western blot analysis of SH-SY5Y cell lysate.
Using PHD2 (bsm-61581R) monoclonal antibody
at 1:1000 dilution and 4°C overnight incubation.
Followed by conjugated secondary antibody
incubation at r.t. for 60 min.