

bs-4251R**[Primary Antibody]****PHD1 Rabbit pAb****BioSS**
ANTIBODIES

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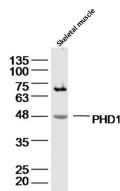
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human, Rat, Sheep, Cow)
GeneID: 112398	SWISS: Q96KS0	
Target: PHD1		Predicted MW.: 44 kDa
Immunogen: KLH conjugated synthetic peptide derived from human PHD1/prolyl hydroxylase: 321-407/407.		Subcellular Location: Cytoplasm ,Nucleus
Purification: affinity purified by Protein A		
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.		
Background: PHD1 catalyzes the posttranslational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins and hydroxylates HIF-1 alpha at Pro-402 and Pro-564, and HIF-2 alpha. It functions as a cellular oxygen sensor and, under normoxic conditions, targets HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitylation complex. It may play a role in cell growth regulation.		

— VALIDATION IMAGES —

Sample: Skeletal muscle (Mouse) Lysate at 40 ug
Primary: Anti-PHD1 (bs-4251R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44 kD
Observed band size: 48 kD

— SELECTED CITATIONS —

- **[IF=4.47]** Loeffler, Ivonne, et al. "Heterozygosity of mitogen-activated protein kinase organizer 1 ameliorates diabetic nephropathy and suppresses epithelial-to-mesenchymal transition-like changes in db/db mice." Nephrology Dialysis Transplantation (2017). IHC ;="Mouse". 28992060