

**bsm-62570R****[ Primary Antibody ]**

## HIF Prolyl Hydroxylases Recombinant Rabbit mAb

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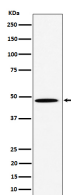
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### DATASHEET

**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**GeneID:** 54681**SWISS:** Q9NXG6**Target:** HIF Prolyl Hydroxylases**Immunogen:** A synthesized peptide derived from human HIF PH4: 70-100.**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:** Catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF1A at 'Pro-402' and 'Pro-564'. May function as a cellular oxygen sensor and, under normoxic conditions, may target HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.**Applications:** WB (1:1000-2000)**IHC-P** (1:100-200)**IHC-F** (1:100-200)**IF** (1:100-200)**Flow-Cyt** (1:50-100)**IP** (1:20-50)**Reactivity:** Human**Predicted  
MW.:** 57**Subcellular  
Location:** Cytoplasm

### VALIDATION IMAGES



Western blot analysis of HeLa cell lysate. Using HIF Prolyl Hydroxylases (bsm-62570R) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.