

bsm-52128R**[Primary Antibody]**

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PRDX2 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-2000) IHC-P (1:100-500) IHC-F (1:50-200) IF (1:50-200) Flow-Cyt (1:50-100) ICC/IF (1:50-200) Reactivity: Human, Mouse, Rat Predicted MW.: 22 kDa Subcellular Location: Cytoplasm
Clonality: Recombinant	CloneNo.: 19A1	
GeneID: 7001	SWISS: P32119	
Target: PRDX2		
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: This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein plays an antioxidant protective role in cells, and it may contribute to the antiviral activity of CD8(+) T-cells. The crystal structure of this protein has been resolved to 2.7 angstroms. This protein prevents hemolytic anemia from oxidative stress by stabilizing hemoglobin, thus making this gene a therapeutic target for patients with hemolytic anemia. This protein may have a proliferative effect and play a role in cancer development or progression. Related pseudogenes have been identified on chromosomes 5, 6, 10 and 13. [provided by RefSeq, Mar 2013]		