

bsm-60450M**[Primary Antibody]****Bioss**
ANTIBODIES

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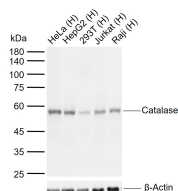
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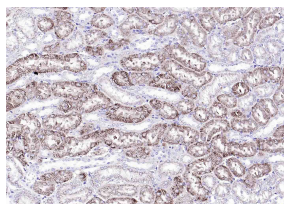
400-901-9800

Catalase Recombinant Mouse mAb**DATASHEET**

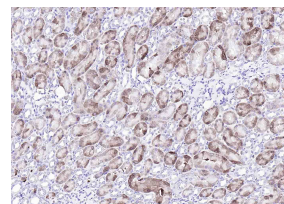
Host: Mouse	Isotype: IgG1, Kappa	Applications: WB (1:500-2000) IHC-P (1:20-100) IHC-F (1:20-100) IF (1:20-100) Reactivity: Human, Mouse, Rat Predicted MW.: 60 kDa Subcellular Location: Cytoplasm
Clonality: Recombinant	CloneNo.: 4A8	
GeneID: 847	SWISS: P04040	
Target: Catalase		
Purification: affinity purified by Protein G		
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: Catalase is the classical marker for peroxisomes and is the most abundant protein within peroxisomes. It is found in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide.		

VALIDATION IMAGES

Sample: Lane 1: Human HeLa cell lysates Lane 2: Human HepG2 cell lysates Lane 3: Human 293T cell lysates Lane 4: Human Jurkat cell lysates Lane 5: Human Raji cell lysates Primary: Anti-Catalase (bsm-60450M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 60 kDa Observed band size: 58 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Catalase) Monoclonal Antibody, Unconjugated (bsm-60450M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Catalase) Monoclonal Antibody, Unconjugated (bsm-60450M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=4.6]** Shuai Zhang. et al. The Impact of Atmospheric Cadmium Exposure on Colon Cancer and the Invasiveness of Intestinal Stents in the Cancerous Colon. TOXICS. 2024 Mar;12(3):215 WB ;Mouse. 38535948
- **[IF=4.7]** Xue Chen. et al. Hepatocyte-Specific PEX16 Abrogation in Mice Leads to Hepatocyte Proliferation, Alteration of Hepatic Lipid Metabolism, and Resistance to High-Fat Diet (HFD)-Induced Hepatic Steatosis and Obesity. BIOMEDICINES. 2024 May;12(5):988 WB,IHC ;Mouse,Human. 38790950