

bs-6874R**[Primary Antibody]****CAT Rabbit pAb****BioSS**
ANTIBODIES

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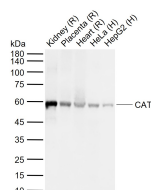
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 12359 Target: CAT 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: 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.	Isotype: IgG SWISS: P24270	Applications: WB (1:500-2000) Reactivity: Human, Rat (predicted: Mouse) Predicted MW.: 60 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Sample: Lane 1: Rat Kidney tissue lysates Lane 2: Rat Placenta tissue lysates Lane 3: Rat Heart tissue lysates Lane 4: Human HeLa cell lysates Lane 5: Human HepG2 cell lysates Primary: Anti-CAT (bs-6874) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kDa Observed band size: 60 kDa

— SELECTED CITATIONS —

- **[IF=15.304]** Yao Lei. et al. Phytochemical natural killer cells reprogram tumor microenvironment for potent immunotherapy of solid tumors. BIOMATERIALS. 2022 Jun;;121635 IF,FCM ;Mouse. 10.1016/j.biomaterials.2022.121635
- **[IF=8.897]** Liu, Houli. et al. Immunomodulatory hybrid bio-nanovesicle for self-promoted photodynamic therapy. Nano Res. 2022 Feb;;1-10 WB ;Mouse. 10.1007/s12274-021-4050-3
- **[IF=7.675]** Shuang Wang. et al. Dioscin Protects against Cisplatin-Induced Acute Kidney Injury by Reducing Ferroptosis and Apoptosis through Activating Nrf2/HO-1 Signaling. ANTIOXIDANTS-BASEL. 2022 Dec;;11(12):2443 IHC ;Rat. 36552651
- **[IF=7.468]** Dr. Evan Paul Tracy. et al. Stromal Vascular Fraction Restores Vasodilatory Function by Reducing Oxidative Stress in Aging-Induced Coronary Microvascular Disease. ANTIOXID REDOX SIGN. 2022 Aug 11 IF ;Rat. 35950616
- **[IF=6.1]** Yun, Yang, et al. "Sulfate Aerosols Promote Lung Cancer Metastasis by Epigenetically Regulating the Epithelial-to-Mesenchymal Transition (EMT)." Environmental Science & Technology (2017). WB ;Human. 28901751