

bs-2302R**[Primary Antibody]****BioSS**
ANTIBODIES

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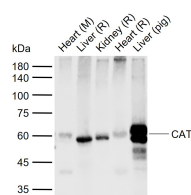
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CAT Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal 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 Applications: WB (1:500-2000) Reactivity: Mouse, Rat, Pig Predicted MW.: 58 kDa Subcellular Location: Cytoplasm
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— VALIDATION IMAGES —

Sample: Lane 1: Mouse Heart tissue lysates Lane 2: Rat Liver tissue lysates Lane 3: Rat Kidney tissue lysates Lane 4: Rat Heart tissue lysates Lane 5: Pig Liver tissue lysates Primary: Anti-CAT (bs-2302R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kDa Observed band size: 60 kDa

— SELECTED CITATIONS —

- **[IF=5.23]** Zhao, Yong, et al. "Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways." Scientific Reports 6 (2016): 37884. WB ;="Pig". 27883089
- **[IF=3.85]** Wang, Yandi, et al. "Regulation of steroid hormones and energy status with cysteamine and its effect on spermatogenesis." Toxicology and Applied Pharmacology (2016). IHC ;="Sheep". 27815134
- **[IF=4.2]** Zhang, Weidong, et al. "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can Be inheritable." Chemosphere (2017). IHC ;="Mouse". 29202267
- **[IF=3.69]** Sukfan P. Kwong. et al. PORIMIN: The key to (+)-Usnic acid-induced liver toxicity and oncotic cell death in normal human L02 liver cells. J Ethnopharmacol. 2021 Apr;270:113873 WB ;Human. 33485970