

bs-8558R**[Primary Antibody]****Cathepsin S Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Dog, Horse)
GeneID: 1520	SWISS: P25774	Predicted MW.: 24 kDa
Target: Cathepsin S		Subcellular Location: Cytoplasm
Immunogen: KLH conjugated synthetic peptide derived from human Cathepsin S: 121-250/331.		
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: The cathepsin family of proteolytic enzymes contains several diverse classes of proteases. The cysteine protease class comprises cathepsins B, L, H, K, S, and O (1-6). The aspartyl protease class is composed of cathepsins D and E (7,8). Cathepsin G is in the serine protease class (9). Most cathepsins are lysosomal and each is involved in cellular metabolism, participating in various events such as peptide biosynthesis and protein degradation. Cathepsin S has been shown to be an elastinolytic cysteine proteinase present in aveloar macrophages.		

— SELECTED CITATIONS —

- **[IF=14.1]** Chuanrui Ma. et al. Wogonin Attenuates Atherosclerosis via KLF11-Mediated Suppression of PPAR α -YAP1-Driven Glycolysis and Enhancement of ABCA1/G1-Mediated Cholesterol Efflux. ADV SCI. 2025 May;;2500610 IF ;Mouse. 40397286
- **[IF=8.2]** Quancheng Cheng. et al. Integrated multiomics analysis reveals changes in liver physiological function in Aqp9 gene knockout mice. INT J BIOL MACROMOL. 2023 Jun;;125459 IHC ;Mouse. 37353119
- **[IF=6.126]** Diana Oelschlaegel. et al. Cathepsin Inhibition Modulates Metabolism and Polarization of Tumor-Associated Macrophages. Cancers. 2020 Sep;12(9):2579 WB ;Mouse. 32927704
- **[IF=5.215]** Tianrui Zhang. et al. Daphnetin Improves Neuropathic Pain by Inhibiting the Expression of Chemokines and Inflammatory Factors in the Spinal Cord and Interfering with Glial Cell Polarization. PHARMACEUTICALS-BASE. 2023 Feb;16(2):243 WB ;Rat. 10.3390/ph16020243