

bs-3573R**[Primary Antibody]****ADAMTS5 Rabbit pAb****BioSS**
ANTIBODIES

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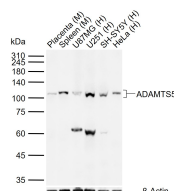
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 11096 Target: ADAMTS5 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.	Isotype: IgG SWISS: Q9UNA0	Applications: WB (1:500-2000) ELISA (1:5000-10000) Reactivity: Human, Mouse Predicted MW.: 102 kDa Subcellular Location: Cytoplasm ,Nucleus
Background: This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme contains two C-terminal TS motifs and functions as an aggrecanase that cleaves aggrecan, a major proteoglycan of cartilage, and may mediate cartilage destruction in osteoarthritis. [provided by RefSeq, Feb 2016]		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Placenta tissue lysates
 Lane 2: Mouse Spleen tissue lysates Lane 3:
 Human U87MG cell lysates Lane 4: Human U251
 cell lysates Lane 5: Human SH-SY5Y cell lysates
 Lane 6: Human HeLa cell lysates Primary: Anti-
 ADAMTS5 (bs-3573R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 102 kDa
 Observed band size: 102 kDa

— SELECTED CITATIONS —

- **[IF=20.722]** Fanqi Hu. et al. Identification of inflammatory regulation roles of thalidomide/ruxolitinib in nucleus pulposus and construction of polyelectrolyte nanocomplexes-impregnated injectable hydrogels for synergistic intervertebral disk degeneration treatment. Nano Today. 2022 Jun;44:101462 WB ;Human. 10.1016/j.nantod.2022.101462
- **[IF=17.694]** Li Guoqing. et al. An injectable liposome-anchored teriparatide incorporated gallic acid-grafted gelatin hydrogel for osteoarthritis treatment. NAT COMMUN. 2023 May;14(1):1-18 IHC ;Mouse. 37258510
- **[IF=14.1]** Dong Wang. et al. Nanodrugs Targeting Key Factors of Ferroptosis Regulation for Enhanced Treatment of

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Osteoarthritis. ADV SCI. 2025 Jan;;2412817 WB,IF ;Mouse. 39840543

- **[IF=14.3]** Nivetha Gunaseelan. et al. Targeted K-Edge Nanoprobes From Praseodymium and Hafnium for Ratiometric Tracking of Dual Biomarkers using Spectral Photon Counting CT. ADV SCI. 2024 Oct;;2408408 ;. 39373721
- **[IF=14.3]** Nivetha Gunaseelan. et al. Targeted K - Edge Nanoprobes From Praseodymium and Hafnium for Ratiometric Tracking of Dual Biomarkers using Spectral Photon Counting CT. adv sci (weinh).2024 Dec;11(46):e2408408. ;Mouse. 39373721