

# Product Datasheet

## ADAMTS5 Antibody NBP2-15286

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 6

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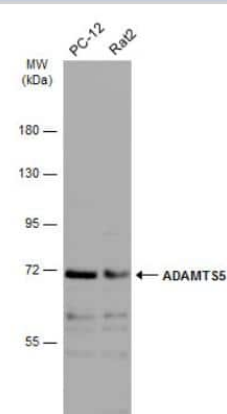
**NBP2-15286****ADAMTS5 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	102 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	11096
<b>Gene Symbol</b>	ADAMTS5
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Zebrafish (84%). .
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human ADAMTS5. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:10000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000



## Images

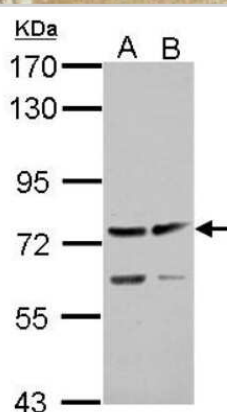
Western Blot: ADAMTS5 Antibody [NBP2-15286] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with ADAMTS5 antibody [N3C2], Internal diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



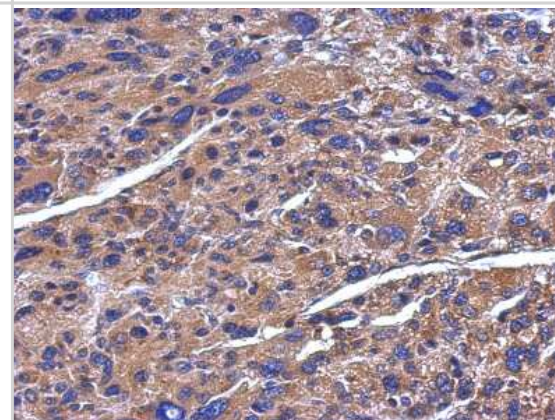
Immunohistochemistry-Paraffin: ADAMTS5 Antibody [NBP2-15286] - Human hepatoma. ADAMTS5 antibody [N3C2], Internal dilution: 1:250. Scale bar = 100 um. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: ADAMTS5 Antibody [NBP2-15286] - Sample (30 ug of whole cell lysate) A: HeLa B: HepG2 7. 5% SDS PAGE, antibody diluted at 1:3000.



Immunohistochemistry-Paraffin: ADAMTS5 Antibody [NBP2-15286] - Human hepatoma, using ADAMTS5 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



## Publications

Huang Y, Huang L, Li L et al. MicroRNA-25-3p therapy for intervertebral disc degeneration by targeting the IL-1 $\beta$ /ZIP8/MTF1 signaling pathway with a novel thermo-responsive vector *Annals of Translational Medicine* 2020-12-14 [PMID: 33313245] (Western Blot)

Li P, Lv S, Jiang W et al. Exosomes derived from umbilical cord mesenchymal stem cells protect cartilage and regulate the polarization of macrophages in osteoarthritis *Annals of Translational Medicine* 2022-09-01 [PMID: 36267713] (Immunocytochemistry/ Immunofluorescence)

Yagi M, Endo K, Komori K, Sekiya I Comparison of the effects of oxidative and inflammatory stresses on rat chondrocyte senescence *Scientific reports* 2023-05-11 [PMID: 37169906] (WB, Rat)

Details:

Dilution: 1:1000

Bai H, Yuan R, Zhang Z et al. Intra-articular Injection of Baicalein Inhibits Cartilage Catabolism and NLRP3 Inflammasome Signaling in a Posttraumatic OA Model *Oxidative medicine and cellular longevity* 2021-09-02 [PMID: 34512868] (IF/IHC, Rat)

Si HB, Yang TM, Li L et al. miR-140 Attenuates the Progression of Early-Stage Osteoarthritis by Retarding Chondrocyte Senescence *Mol Ther Nucleic Acids* 2019-11-09 [PMID: 31790972] (WB, IHC-P, Human, Rat)

Ding Lei, Zampogna Biagio, Vasta Sebastiano et al. Why Do Osteochondral Allografts Survive. CompaRative Analysis of Cartilage Biochemical Properties Unveils a Molecular Basis for Durability. *The American Journal of Sports Medicine* 2015-01-01 [PMID: 26311444] (WB, Human)





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### **Products Related to NBP2-15286**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-55654PEP	ADAMTS5 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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