

Datasheet for 600-401-R07**ADAMTS2 Antibody****Overview**

Description:	Anti-ADAMTS2 (RABBIT) Antibody - 600-401-R07
Item No.:	600-401-R07
Size:	100 µg
Reactivity:	H. sapiens (Human), Mus musculus (Mouse), Rattus (Rat)
Host Species:	Rabbit

Product Details

Background:	ADAMTS2, A disintegrin and metalloproteinase with thrombospondin motifs 2, also known as procollagen I N-proteinase (PC I-NP), is an enzyme that in humans is encoded by the ADAMTS2 gene. The ADAMTS2 gene contains 22 exons. The human ADAMTS2 gene is mapped to chromosome 5q23-q24 by analysis of somatic cell hybrids. ADAMTS2 is responsible for processing several types of procollagen proteins. Procollagens are the precursors of collagens, the proteins that add strength and support to many body tissues. Specifically, this enzyme clips a short chain of amino acids off one end of the procollagen. This clipping step is necessary for collagen molecules to function normally and assemble into fibrils outside cells. This antibody is suitable for researchers interested in signal transduction, extracellular matrix antibodies and cancer research.
Synonyms:	Procollagen I N-proteinase,
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ADAMTS2
Reactivity:	H. sapiens (Human), Mus musculus (Mouse), Rattus (Rat)
Immunogen Type:	Conjugated Peptide

Immunogen:	ADAMTS2 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a sequence at the C-terminal of human ADAMTS2.
Purity/Specificity:	Anti-ADAMTS2 antibody is directed against human ADAMTS2 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human, mouse, and rat based on homology for the immunogen sequence. Cross reactivity with ADAMTS2 from other sources has not been determined.
Relevant Links:	• UniProtKB - O95450 • GeneID - 9509 • NCBI - NP_055059.2

Application Details

Application Note:	Anti-ADAMTS2 is useful for Immunohistochemistry -P, -F, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~134.8 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	1:100-1:500
WB:	0.5µg/mL

Formulation

Physical State:	Lyophilized
Concentration:	100 µg/vial by dry weight
Buffer:	0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃
Preservative:	0.05mg Thimerosal
Stabilizer:	5mg BSA
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition: Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.