

Product Information

Anti-ADAMTS-12
antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW22831**

Formerly listed as GenWay Catalog Number 15-288-22831,
ADAMTS-12 Antibody.

Storage Temperature Store at $-20\text{ }^{\circ}\text{C}$

Synonyms: A disintegrin-like and metalloprotease with thrombospondin type 1 motif, 12, EC 3.4.24.-; A disintegrin and metalloproteinase with thrombospondin motifs 12; ADAM-TS 12; ADAM-TS12

Product Description

This protein is a disintegrin and metalloproteinase with thrombospondin motifs-12 (ADAMTS12), which is a member of the ADAMTS 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-1) motif. Individual members of this family differ in the number of C-terminal TS-1 motifs and some have unique C-terminal domains. The enzyme encoded by this gene contains 8 TS-1 motifs. It may play roles in pulmonary cells during fetal development or in tumor processes through its proteolytic activity or as a molecule potentially involved in regulation of cell adhesion.

NCBI Accession number: NP_112217.1

Swiss Prot Accession number: P58397

Gene Information: Human .. ADAMTS12 (81792)

Immunogen: Recombinant protein A disintegrin-like and metalloprotease with thrombospondin type 1 motif, 12

Immunogen Sequence: GI # 13569928, sequence 297 - 446

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, chimpanzee, rat, mouse, dog

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at $2-8\text{ }^{\circ}\text{C}$ for up to one week. For extended storage, store in $-20\text{ }^{\circ}\text{C}$ freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

LPG,MAM12/09-1

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.