

## ADAMTS5 Antibody

Catalog No: #31158

Package Size: #31158-1 50ul #31158-2 100ul

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## Description

Product Name	ADAMTS5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total ADAMTS5 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 529-541 amino acids of Human A disintegrin and metalloproteinase with thrombospondin motifs 5
Target Name	ADAMTS5
Other Names	A disintegrin and metalloproteinase with thrombospondin motifs 5, ADMP-2, ADAM-TS5, ADAMTS-5, ADAMTS11, ADAM-TS 5, ADAMTS-11, ADAM-TS 11
Uniprot	Q9UNA0
Concentration	1.1 mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

## Application Details

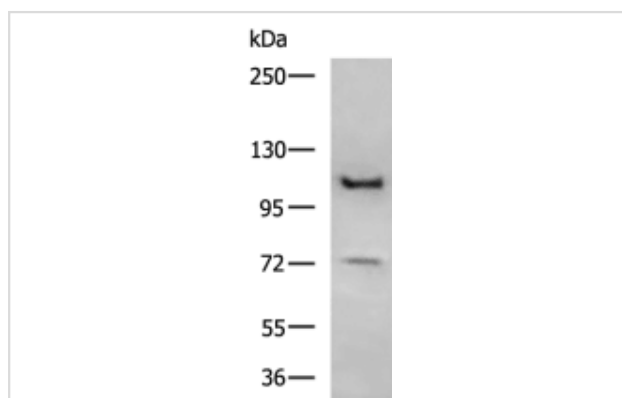
Predicted MW: 102kd

ELISA: 1:1000-1:5000

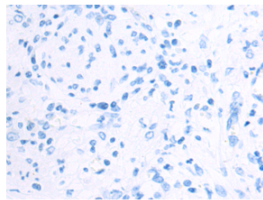
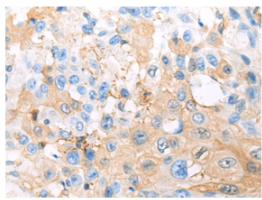
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:10-1:50

## Images



Gel: 6%SDS-PAGE Lysate: 40  $\mu$ g Lane: K562 cell lysate  
Primary antibody: ADAMTS5 Antibody at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 3 minutes



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ADAMTS5 Antibody at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

## 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 enzyme encoded by this gene contains two C-terminal TS motifs and functions as aggrecanase to cleave aggrecan, a major proteoglycan of cartilage.

Note: This product is for in vitro research use only