




### Anti-ADAMTS1 antibody ab216977

[3 Images](#)

#### Overview

<b>Product name</b>	Anti-ADAMTS1 antibody
<b>Description</b>	Rabbit polyclonal to ADAMTS1
<b>Host species</b>	Rabbit
<b>Specificity</b>	Contains 3 TSP type-1 domains.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide within Mouse ADAMTS1 aa 900 to the C-terminus conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><a href="#">contact</a></b> our Scientific Support team to discuss your requirements. Database link: <b><a href="#">P97857</a></b> <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	Human lung carcinoma tissue; Rat tongue tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

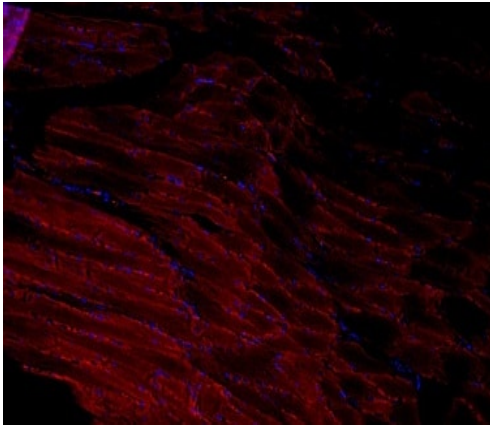
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab216977 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. When using a fluorescent probe the recommended dilution is 1/50 – 1/200.

## Target

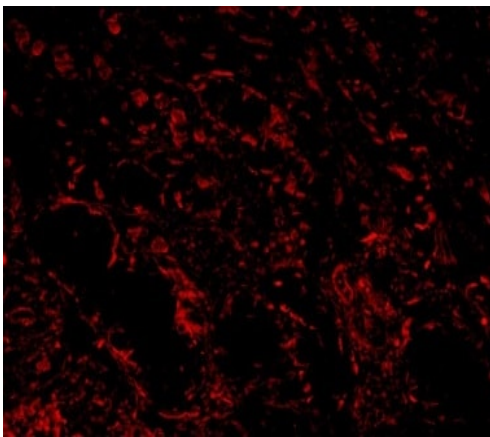
<b>Function</b>	Cleaves aggrecan, a cartilage proteoglycan, and may be involved in its turnover (By similarity). Has angiogenic inhibitor activity. Active metalloprotease, which may be associated with various inflammatory processes as well as development of cancer cachexia. May play a critical role in follicular rupture.
<b>Sequence similarities</b>	Contains 1 disintegrin domain. Contains 1 peptidase M12B domain. Contains 3 TSP type-1 domains.
<b>Domain</b>	The spacer domain and the TSP type-1 domains are important for a tight interaction with the extracellular matrix. The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
<b>Post-translational modifications</b>	The precursor is cleaved by a furin endopeptidase.
<b>Cellular localization</b>	Secreted > extracellular space > extracellular matrix.

## Images



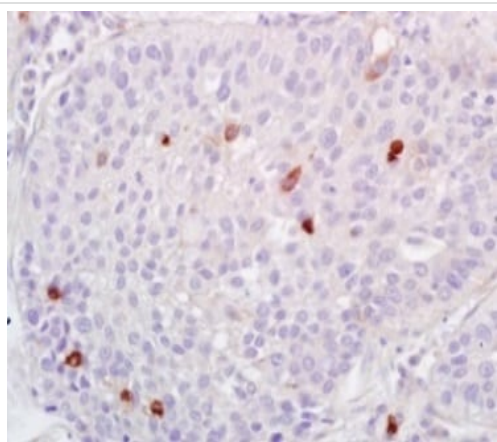
Immunohistochemical analysis of formalin-fixed and paraffin-embedded Rat tongue tissue labeling ADAMTS1 with ab216977 at 1/200 dilution, followed by Goat Anti-rabbit IgG, Cy3 conjugated secondary antibody at 1/200 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAMTS1 antibody (ab216977)



Immunohistochemical analysis analysis of formalin-fixed and paraffin-embedded Human colon carcinoma tissue labeling ADAMTS1 with ab216977 at 1/200 dilution. Followed by Goat Anti-rabbit IgG, Cy3 conjugated secondary antibody at 1/200 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAMTS1 antibody (ab216977)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAMTS1 antibody (ab216977)

Immunohistochemical analysis of Formalin-fixed, paraffin-embedded Human lung carcinoma tissue labeling ADAMTS1 with ab216977 at 1/200 dilution followed by conjugation to the secondary antibody and DAB staining.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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