


Anti-ADAMTS9 antibody ab32565

[3 References](#) [1 图像](#)

概述

产品名称	Anti-ADAMTS9抗体
描述	兔多克隆抗体to ADAMTS9
宿主	Rabbit
经测试应用	适用于: ICC
种属反应性	与反应: Human 预测可用于: Rat, Cow, Dog, Xenopus laevis, Chimpanzee 
免疫原	Synthetic peptide: CFDGKHFNINGLLPN , corresponding to amino acids 657-670 of Human ADAMTS9. Run BLAST with Run BLAST with
阳性对照	ICC: SH-SY5Y cells.
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
纯度	Immunogen affinity purified
纯化说明	This antibody is Antigen affinity chromatography purified.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab32565于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC		Use a concentration of 2 µg/ml.

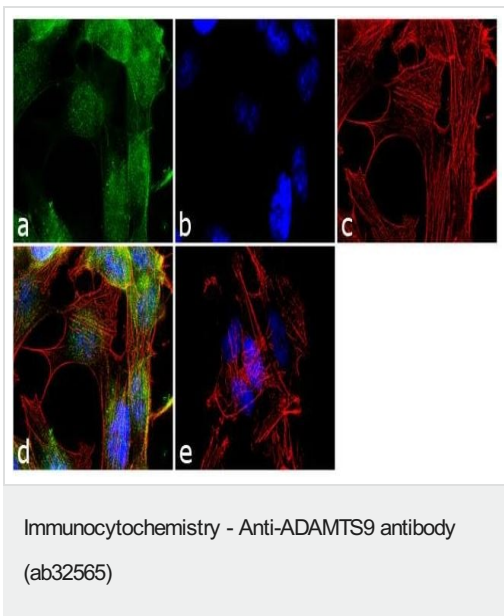
靶标

相关性

ADAMTS proteases are secreted enzymes containing a prometalloprotease domain of the reprolysin type. The ADAMTS proteases function in processing of procollagens and von Willebrand factor as well as catabolism of aggrecan, versican and brevican. They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. ADAMTS9 is closest in homology to ADAMTS20, sharing 54% overall identity, and like ADAMTS20 ADAMTS9 has a GON like domain at the carboxyterminal end. The GON domain at the carboxyterminal end is similar to the GON1 protein in *C. elegans*, mutations of which lead to defective gonadal development. ADAMTS9 is expressed in ovary and testis, but little is known about the role of ADAMTS9 in reproductive organs. ADAMTS9 is also expressed in the heart, placenta, lung, skeletal tissue, and pancreas, so the protein must have wider functions than just gonadal development. ADAMTS9, like ADAMTS20, has a total of 15 thrombospondin like domains. The first TS domain begins shortly after the catalytic and disintegrin domains. TS domains 2 to 6 follow a spacer domain, followed by linker domain 1, then TS domains 7 & 8, linker domain 2, and then TS domains 9 to 15. In other ADAMTS proteins the TS motifs are thought to bind to the ECM. The ADAMTS proteins contain at least one prohormone convertase cleavage site, although it appears that one site is used preferentially, and cleavage of the propeptide domain at this site generates active enzymes. For ADAMTS9, this site is the RRTKR sequence, and the mature ADAMTS9 has an aminoterminal sequence of FLSYPR. The catalytic site of ADAMTS9 is most like ADAMTS1, 14 and 15, with an HExxHVFNMxH sequence, perhaps giving these enzymes some shared specificity.

细胞定位 Secreted protein; extracellular space; extracellular matrix.

图片



Immunofluorescence analysis of ADAMTS9 in SH-SY5Y cells using ab32565. The cells were fixed with 4% paraformaldehyde, permeabilized with 0.1% Triton™ X-100, and blocked with 1% BSA. The cells were labeled with ab32565 at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature followed by a Alexa Fluor® 488 Goat anti-Rabbit IgG (H+L) Secondary Antibody at 1/2000 dilution for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with DAPI. F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin at 1/300. (Panel d) represents the merged image showing localization in extracellular matrix. (Panel e) shows the no primary antibody control. The images were captured at 60X magnification.

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