

Product datasheet

Anti-ADAMTS4 antibody - C-terminal ab82300

[1 References](#) [1 Image](#)

Overview

Product name	Anti-ADAMTS4 antibody - C-terminal
Description	Rabbit polyclonal to ADAMTS4 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Mouse, Human
Immunogen	KLH conjugated synthetic peptide selected from the C-terminal region of human ADAMTS4.
Positive control	Mouse cerebellum tissue lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Purification notes	ab82300 is purified through a protein A column, followed by peptide affinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab82300** in the following tested applications.

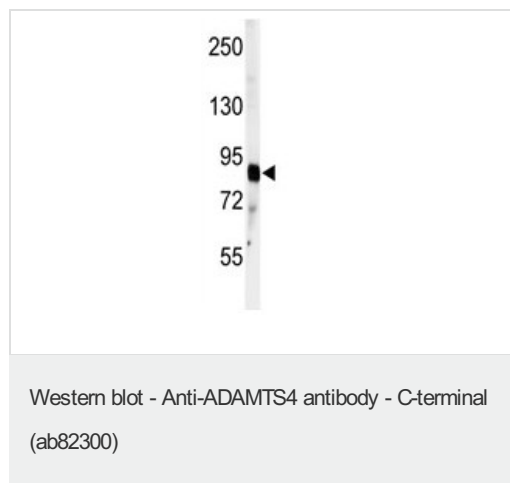
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/50 - 1/100. Predicted molecular weight: 90 kDa.
ELISA		1/1000.

Target

Function	Cleaves aggrecan, a cartilage proteoglycan, and may be involved in its turnover. May play an important role in the destruction of aggrecan in arthritic diseases. Could also be a critical factor in the exacerbation of neurodegeneration in Alzheimer disease. Cleaves aggrecan at the '392-Glu-Ala-393' site.
Tissue specificity	Expressed in brain, lung and heart. Expressed at very low level in placenta and skeletal muscles.
Sequence similarities	Contains 1 disintegrin domain. Contains 1 peptidase M12B domain. Contains 1 TSP type-1 domain.
Domain	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.
Post-translational modifications	The precursor is cleaved by a furin endopeptidase.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Images



Anti-ADAMTS4 antibody - C-terminal (ab82300) at 1/50 dilution + mouse cerebellum tissue lysate at 35 µg

Predicted band size: 90 kDa

Observed band size: 90 kDa

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