

Product datasheet

Anti-ADAM20 antibody - Catalytic domain ab28295

1 Image

Overview

Product name	Anti-ADAM20 antibody - Catalytic domain
Description	Rabbit polyclonal to ADAM20 - Catalytic domain
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide based on the catalytic domain of human ADAM20. Read Abcam's proprietary immunogen policy (Peptide available as ab41221 .)

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab28295** 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
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WB

Application notes

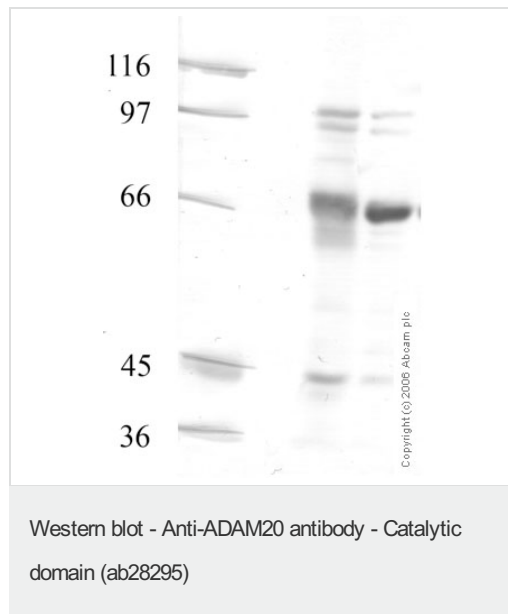
WB: A recommended starting concentration for Western Blots is 1:1000 when using colorimetric substrates such as BCIP/NBT, and 1:5000 for chemiluminescent substrates. Predicted molecular weight: 82 kDa. Higher concentrations of antibody may be needed for samples from more distantly related species. EDTA/EGTA treatment of tissues or lysates is required to see latent

zymogen. This product recognizes bands of 95 kDa, 84 kDa (major band), and breakdown products at 50 kDa, 34 kDa in reduced Western Blots of cell lysates. Dilution optimised using Chromogenic detection. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

Target

Function	May be involved in sperm maturation and/or fertilization.
Tissue specificity	Testis specific.
Sequence similarities	Contains 1 disintegrin domain. Contains 1 EGF-like domain. Contains 1 peptidase M12B domain.
Domain	A tripeptide motif (VGE) within disintegrin-like domain could be involved in the binding to egg integrin receptor and thus could mediate sperm/egg binding. The cysteine-rich domain encodes putative cell-fusion peptides, which could be involved in sperm-egg fusion. 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	Has no obvious cleavage site for furin endopeptidase, suggesting that the proteolytic processing is regulated.
Cellular localization	Membrane.

Images



All lanes : Anti-ADAM20 antibody - Catalytic domain (ab28295) at 1/1000 dilution

Lane 1 : Mouse Testis Lysate

Lane 2 : Mouse Epididymis Lysate

Lysates/proteins at 20 μ l per lane.

Predicted band size: 82 kDa

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