


Product datasheet

Anti-ADAM9 antibody ab226459

2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-ADAM9 antibody |
| Description | Rabbit polyclonal to ADAM9 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IP |
| Species reactivity | Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan  |
| Immunogen | Synthetic peptide within Human ADAM9 aa 400-450. The exact sequence is proprietary. NP_003807.1 Database link: Q13443 |
| Positive control | WB: HeLa, HEK-293T, Jurkat and TCMK-1 whole cell lysates. IP: HeLa whole cell lysate. |
| General notes | <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p> |

Properties

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. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate |
| Purity | pH 7 to 8 Immunogen affinity purified |
| Purification notes | ab226459 was affinity purified using an epitope specific to ADAM9 immobilized on solid support. |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab226459** in the following tested applications.

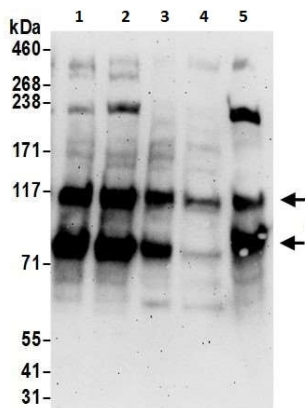
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | 1/10000 - 1/25000. Predicted molecular weight: 91 kDa. |
| IP | | Use at 2-10 µg/mg of lysate. |

Target

| | |
|------------------------------|--|
| Relevance | ADAM9 encodes disintegrin and metalloprotease (ADAM) domain 9, which is a member of the ADAM protein family. Members of this family are membrane- anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biologic processes involving cell- cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The member encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. |
| Cellular localization | Isoform 1: Cell membrane; single-pass type I membrane protein. Isoform 2: Secreted protein. |

Images



Western blot - Anti-ADAM9 antibody (ab226459)

All lanes : Anti-ADAM9 antibody (ab226459) at 0.04 µg/ml

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate prepared using NETN lysis buffer

Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate prepared using RIPA lysis buffer

Lane 3 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate prepared using NETN lysis buffer

Lane 4 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate prepared using NETN lysis buffer

Lane 5 : TCMK-1 (mouse kidney epithelial cell line) whole cell lysate prepared using NETN lysis buffer

Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 91 kDa

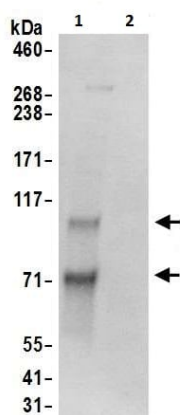
Exposure time: 3 minutes

ADAM9 was immunoprecipitated from HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate (prepared using RIPA buffer; 1 mg for IP, 20% of IP loaded) with ab226459 at 6 µg/mg lysate. Western blot was performed from the immunoprecipitate using ab226459 at 0.4 µg/ml.

Lane 1: ab226459 IP in HeLa whole cell lysate.

Lane 2: Control IgG IP in HeLa whole cell lysate.

Detection: Chemiluminescence with exposure time of 3 seconds.



Immunoprecipitation - Anti-ADAM9 antibody (ab226459)

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