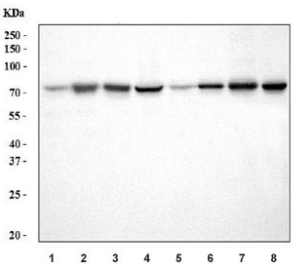
# ADAM9 Antibody (RQ6819)

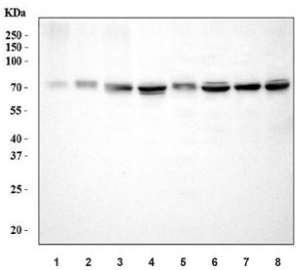
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6819 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

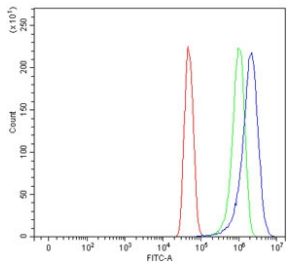
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q13443 |
| **Applications** | Western Blot : 1-2ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This ADAM9 antibody is available for research use only. |




Western blot testing of 1) rat lung, 2) rat liver, 3) rat heart, 4) rat C6, 5) mouse lung, 6) mouse liver, 7) mouse heart and 8) mouse C2C12 cell lysate with ADAM9 antibody. Expected molecular weight: 90-100 kDa (pro-ADAM9-L form) and 70-80 kDa (ADMA9-L form).




Western blot testing of human 1) U-87 MG, 2) A431, 3) A549, 4) U-251, 5) U-2 OS, 6) HeLa, 7) HaCat and 8) SiHa cell lysate with ADAM9 antibody. Expected molecular weight: 90-100 kDa (pro-ADAM9-L form) and 70-80 kDa (ADMA9-L form).




Flow cytometry testing of human U-251 cells with ADAM9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ADAM9 antibody.

## Description

Disintegrin and metalloproteinase domain-containing protein 9 is an enzyme that in humans is encoded by the ADAM9 gene. This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein 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. Several alternatively spliced transcript variants have been identified for this gene.

## Application Notes

Optimal dilution of the ADAM9 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids A29-K307) was used as the immunogen for the ADAM9 antibody.

## Storage

After reconstitution, the ADAM9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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