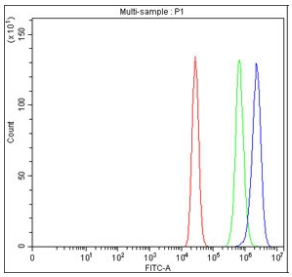
ADAM2 Antibody / Disintegrin and metalloproteinase domain-containing protein 2 (RQ8804)

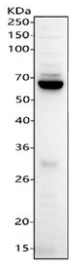
Catalog No.	Formulation	Size
RQ8804	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q99965
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This ADAM2 antibody is available for research use only.



Flow cytometry testing of fixed human MCF7 cells with ADAM2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ADAM2 antibody.



Western blot testing of human MCF7 cell lysate with ADAM2 antibody. Predicted molecular weight ~82 kDa, with a processed form of ~50 kDa. This protein may be observed at higher molecular weights due to glycosylation.

Description

Disintegrin and metalloproteinase domain-containing protein 2 or Beta-fertilin is an enzyme that in humans is encoded by the ADAM2 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 encoded protein is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the ADAM2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids L228-Y277) was used as the immunogen for the ADAM2 antibody.

Storage

After reconstitution, the ADAM2 Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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