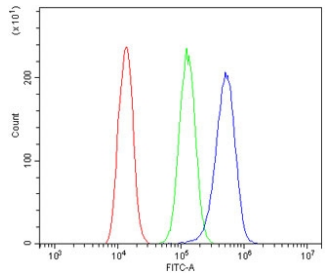
ADAM15 Antibody (RQ6033)

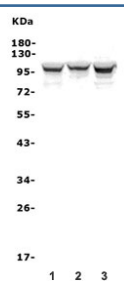
Catalog No.	Formulation	Size
RQ6033	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q13444
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This ADAM15 antibody is available for research use only.



Flow cytometry testing of human A431 cells with ADAM15 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ADAM15 antibody.



Western blot testing of human 1) MDA-MB-453, 2) U-87 MG and 3) HEK293 lysate with ADAM15 antibody. Expected molecular weight: 93-110 kDa.

Description

Disintegrin and metalloproteinase domain-containing protein 15 is an enzyme that in humans is encoded by the ADAM15 gene. This gene is mapped to 1q21.3. The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.

Application Notes

Optimal dilution of the ADAM15 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R41-R456) was used as the immunogen for the ADAM15 antibody.

Storage

After reconstitution, the ADAM15 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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