

ADAM2 Antibody (R31180)

Catalog No.	Formulation	Size
R31180	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q99965
Applications	Western Blot : 0.5-1ug/ml
Limitations	This ADAM2 antibody is available for research use only.



Western blot testing of ADAM2 antibody in human SMMC-7721 cell lysate. Predicted molecular weight ~82 kDa, but can be observed at ~100 kDa.

Description

A Disintegrin and Metalloproteinase Domain 2, also known as FTNB or PH30, is an enzyme that in humans is encoded by the ADAM2 gene. This gene encodes a member of the ADAM 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. This member is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. Burkin et al.(1997) used fluorescence in situ hybridization to map the FTNB gene to 8p11.2.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ADAM2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human A Disintegrin and Metalloproteinase Domain 2 (VLIAIMVKVNFQRKK) was used as the immunogen for this 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.