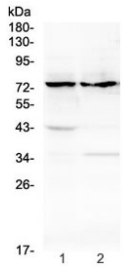
ADAM10 Antibody (RQ4035)

Catalog No.	Formulation	Size
RQ4035	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 and 0.025% sodium azide
UniProt	O14672
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This ADAM10 antibody is available for research use only.



Western blot testing of rat 1) thymus and 2) stomach tissue lysate with ADAM10 antibody at 0.5ug/ml. Predicted molecular weight: ~84 kDa (full length), ~60 kDa (active form), ~80 kDa (glycosylated active form), ~110 kDa (glycosylated full length).

Description

ADAM10, A Disintegrin and Metalloproteinase Domain 10, is also known as AD10. ADAM10 is a member of the ADAM family and members of this family are cell surface proteins with a unique structure possessing both potential adhesion and protease function. The ADAM10 gene is mapped to chromosome 15q21.3-q23. ADAM proteins contain an N-terminal signal sequence, followed by a prodomain, a metalloprotease-like domain, a disintegrin-like domain, a cysteine-rich region, an EGF -like repeat, a transmembrane domain, and a C-terminal cytoplasmic tail. Conversion of the membrane-bound precursor to a secreted mature protein is mediated by a protease termed TNFA convertase. ADAM10 possesses

TNFA convertase activity.

Application Notes

Optimal dilution of the ADAM10 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids T214-D325 was used as the immunogen for the ADAM10 antibody.

Storage

After reconstitution, the ADAM10 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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