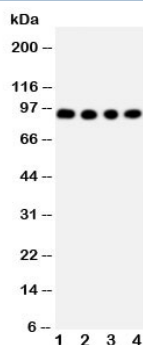


## ADAM17 Antibody (R30942)

Catalog No.	Formulation	Size
R30942	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P78536
<b>Applications</b>	Western blot : 0.5-1ug/ml
<b>Limitations</b>	This ADAM17 antibody is available for research use only.



Western blot testing of ADAM17 antibody and Lane 1: human placenta; 2: HeLa; 3: PANC; 4: 293T cell lysate. Expected molecular weight: 80-130KD depending on level of glycosylation

## Description

ADAM metalloproteinase domain 17, also called TACE (Tumor necrosis factor-alpha-converting enzyme), is an enzyme that belongs to the ADAM protein family of disintegrins and metalloproteases. Expression studies showed that the encoded protein cleaves precursor tumor necrosis factor-alpha to its mature form. Northern blot analysis revealed that the gene was expressed as a 5-kb mRNA in all tissues examined. ADAM17 is understood to be involved in the processing of tumor

necrosis factor alpha (TNF-alpha) at the surface of the cell, and from within the intracellular membranes of the trans-Golgi network. This process, which is also known as shedding, involves the cleavage and release of a soluble ectodomain from membrane-bound pro-proteins (such as pro-TNF-alpha), and is of known physiological importance. ADAM17 was the first sheddase to be identified, and is also understood to play a role in the release of a diverse variety of membrane-anchored cytokines, cell adhesion molecules, receptors, ligands, and enzymes.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ADAM17 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human ADAM17 (AASFKLQRQNRVDSKETEC) was used as the immunogen for this ADAM17 antibody.

## Storage

After reconstitution, the ADAM17 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.