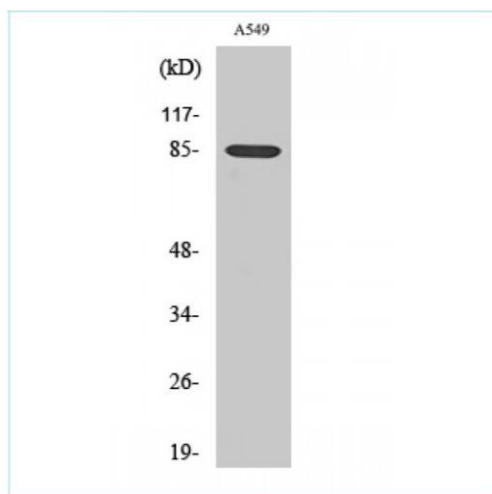


## Anti-ADAM10 antibody

Cat# NB-22-0015



Western Blot (WB) analysis of specific cells using ADAM10 Polyclonal Antibody.

### Description

Rabbit Polyclonal to ADAM10.

### Product Information

<b>Code</b>	NB-22-0015
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Applications</b>	WB, ELISA
<b>Immunogen</b>	Synthesized peptide derived from the Internal region of human ADAM10 at AA range: 170-250.
<b>Immunogen Region</b>	170-250aa
<b>Gene ID</b>	102 (Human);
<b>Dilution range</b>	WB 1:500-1:2000; ELISA 1:20000;
<b>Specificity</b>	ADAM10 Polyclonal Antibody detects endogenous levels of ADAM10 protein. The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For research use only.
<b>Protein Name</b>	Disintegrin and metalloproteinase domain-containing protein 10
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG

<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Molecular Weight</b>	70 kDa
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C. Avoid repeated freeze/thaw cycles.

## Target

### Database Links

Human UniProt/Swiss-Prot: [P49841](#);  
Mouse UniPort/Swiss-Prot: [Q9WV60](#);  
Rat UniProt/Swiss-Port: [P18266](#);  
Human Entrez Gene: [2932](#);  
Mouse Entrez Gene: [56637](#);  
Rat Entrez Gene: [Rn.10426](#)

### Alternative names

ADAM10 / ADAM metallopeptidase domain 10 / ad10 antibody, AD18 antibody, ADAM 10 antibody, ADAM-10 antibody, ADAM10 metallopeptidase antibody, a disintegrin and metallopeptidase domain 10 antibody, a disintegrin and metalloprotease domain 10 antibody, a disintegrin and metalloprotease domain (ADAM) 10 antibody, a disintegrin and metalloproteinase domain 10 antibody, AS27\_14911 antibody, AS28\_04210 antibody, cd156c antibody, CDw156 antibody, D623\_10007056 antibody, disintegrin and metalloproteinase domain-containing protein 10 antibody, disintegrin metalloproteinase antibody, disintegrin-metalloproteinase antibody, H920\_12604 antibody, HsT18717 antibody, I79\_000174 antibody, kuz antibody, kuzbanian antibody, kuzbanian protein homolog antibody, M91\_14882 antibody, M959\_05263 antibody, MADM antibody, mammalian disintegrin-metalloprotease antibody, MDA\_GLEAN10012027 antibody, metalloprotease/disintegrin antibody, myelin-associated metalloproteinase antibody, N300\_11933 antibody, N301\_08226 antibody, N302\_04904 antibody, N303\_08267 antibody, N305\_08052 antibody, N306\_09275 antibody, N307\_06519 antibody, N308\_02776 antibody, N309\_04871 antibody, N310\_09129 antibody, N311\_12861 antibody, N312\_09131 antibody, N320\_10900 antibody, N322\_11802 antibody, N324\_04991 antibody, N326\_04726 antibody, N327\_08543 antibody, N328\_05139 antibody, N329\_10761 antibody, N330\_02319 antibody, N331\_11544 antibody, N332\_13138 antibody, N333\_07556 antibody, N335\_13084 antibody, N336\_10521 antibody, N339\_07787 antibody, N340\_10673 antibody, N341\_05850

antibody, PAL\_GLEAN10023430 antibody, PANDA\_019470 antibody, RAK antibody, RGD1566370 antibody, TREES\_T100000225 antibody, UY3\_03823 antibody, xadam10 antibody, xKuz antibody, Y1Q\_013892 antibody, Y956\_05560 antibody, Z169\_06651 antibody

## Function

Cleaves the membrane-bound precursor of TNF-alpha at '76-Ala-|-Val-77' to its mature soluble form. Responsible for the proteolytical release of soluble JAM3 from endothelial cells surface. Responsible for the proteolytic release of several other cell-surface proteins, including heparin-binding epidermal growth-like factor, ephrin-A2 and for constitutive and regulated alpha-secretase cleavage of amyloid precursor protein (APP). Contributes to the normal cleavage of the cellular prion protein. Involved in the cleavage of the adhesion molecule L1 at the cell surface and in released membrane vesicles, suggesting a vesicle-based protease activity. Controls also the proteolytic processing of Notch and mediates lateral inhibition during neurogenesis. Responsible for the FasL ectodomain shedding and for the generation of the remnant ADAM10-processed FasL (FasL APL) transmembrane form. Also cleaves the ectodomain of the integral membrane proteins CORIN and ITM2B. May regulate the EFNA5-EPHA3 signaling. / Endopeptidase of broad specificity. / Zn2+

## Tissue Specificity

Expressed in spleen, lymph node, thymus, peripheral blood leukocyte, bone marrow, cartilage, chondrocytes and fetal liver.

## Sequence and Domain Family

The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme. / The Cys-rich region C-terminal to the disintegrin domain functions as a substrate-recognition module, it recognizes the EFNA5-EPHA3 Complex but not the individual proteins. / Contains 1 disintegrin domain. / Contains 1 peptidase M12B domain.

**Post-translational  
Modifications**

The precursor is cleaved by a furin endopeptidase.

**Cellular Localization**

Cell membrane; Single-pass type I membrane protein / Endomembrane system; Single-pass type I membrane protein

*For reference only*

*For Research Use Only. Not for Diagnostic or Therapeutic Use.*

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