



Datasheet for ABIN5557408

anti-ADAM17 antibody



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	ADAM17
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ADAM17 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	Recombinant human ADAM17 protein, around 700-824aa.
Clone:	9E7
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	ADAM17
Alternative Name:	ADAM17 (ADAM17 Products)
Background:	Synonyms: Disintegrin and metalloproteinase domain-containing protein 17, ADAM metalloproteinase domain 17, CSVP, TACE, NISBD, CD156B, NISBD1, Snake venom-like

Target Details

protease, TNF-alpha convertase, TNF-alpha-converting enzyme, Tumor Necrosis Factor Alpha Converting Enzyme.

Background: Cleaves the membrane-bound precursor of TNF-alpha 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 p75 TNF-receptor, interleukin 1 receptor type II, p55 TNF-receptor, transforming growth factor-alpha, L-selectin, growth hormone receptor, MUC1 and the amyloid precursor protein. Acts as an activator of Notch pathway by mediating cleavage of Notch, generating the membrane-associated intermediate fragment called Notch extracellular truncation (NEXT). Plays a role in the proteolytic processing of ACE2.

Gene ID: 6868

UniProt: [P78536](#)

Pathways: [Notch Signaling](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Response to Growth Hormone Stimulus](#)

Application Details

Application Notes: WB 1:300-5000
FCM 1:20-100
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

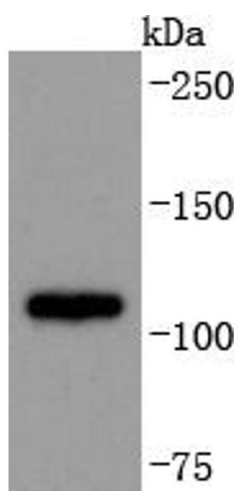
Handling

Expiry Date: 12 months

Publications

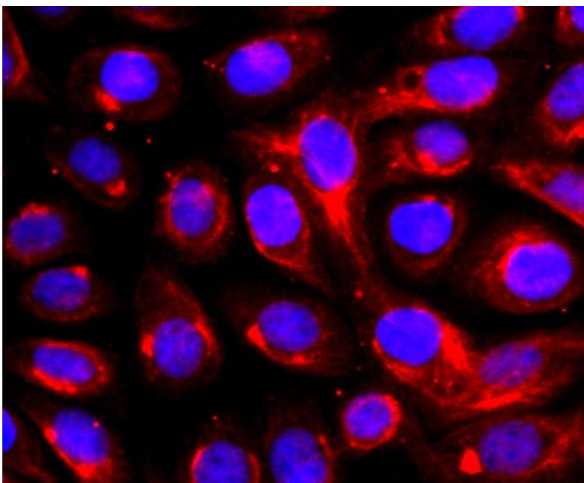
Product cited in: Six, Debaene, Van den Hauwe, De Rycke, Gardiner, Compernelle, Feys: "GPIIb shedding in platelets is controlled by strict intracellular containment of both enzyme and substrate." in: **Journal of thrombosis and haemostasis : JTH**, (2023) ([PubMed](#)).

Images



Western Blotting

Image 1. Jurkat cell lysate probed with ADAM17 (9E7) Monoclonal Antibody, Unconjugated at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody.



Immunofluorescence (Cultured Cells)

Image 2. SK-OV-3 cells were fixed with paraformaldehyde, permeabilized with 0.25% Triton X-100 in PBS, blocked with 10% normal goat serum in PBS, and stained with ADAM17 (9E7) Monoclonal Antibody at 1:200 in blocking solution. Slides were incubated overnight at 4°C followed by FITC conjugated secondary antibody incubation and DAPI staining of the nucleus.