

Datasheet for ABIN500861
anti-ADAM17 antibody (C-Term)



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3 Images **1** Publication

Overview

Quantity:	0.1 mg
Target:	ADAM17
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAM17 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	A peptide corresponding to amino acids near the carboxy terminus of Human CD156b / ADAM17
Isotype:	IgG
Specificity:	This antibody detects CD156b / ADAM17 at C-term. 80 to 130 kDa bands can be detected, which may represent mature protein, precursor, and glycosylated CD156b.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse, Rat.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	ADAM17
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Target Details

Alternative Name: CD156b / ADAM17 ([ADAM17 Products](#))

Background: Tumor-necrosis factor- α is a proinflammatory cytokine and contributes to a variety of inflammatory disease responses and programmed cell death. TNF- α is synthesized as a 26K type II membrane-bound precursor that is cleaved by a convertase to generate secreted 17K mature TNF- α . TNF- α converting enzyme (TACE) protein was recently purified and the human and mouse TACE cDNAs were cloned by several groups separately. TACE is a membrane-bound metalloprotease-disintegrin in the family of mammalian ADAM (for a disintegrin and metalloprotease). TACE also processes other cell surface proteins, including TNF receptor, TGF α , the L-selectin adhesion molecule, and alpha-cleavage of amyloid protein precursor (APP) (4,5). TACE mRNA is expressed in a variety of human and murine tissues. TACE was selected as one of the few targets in cytokine activation by the Eighth International Conference of the Inflammation Research Association. Synonyms: CSVP, Disintegrin and metalloproteinase domain-containing protein 17, Snake venom-like protease, TACE, TNF- α convertase, TNF- α -converting enzyme

Gene ID: 6868

NCBI Accession: [NP_003174](#)

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

Application Details

Application Notes: ELISA. Western blot: 1: 500 to 1: 2000. Immunofluorescence.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % Sodium Azide

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

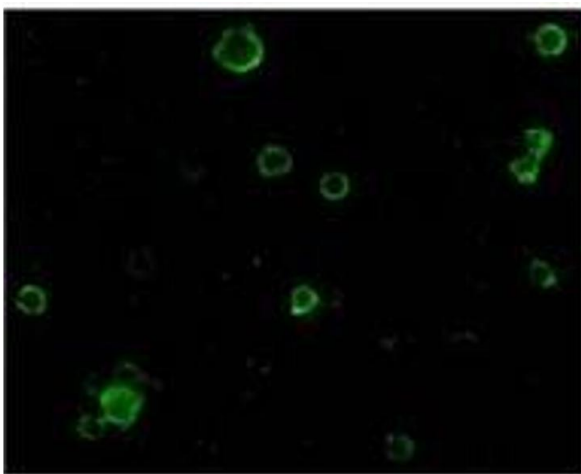
Handling

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

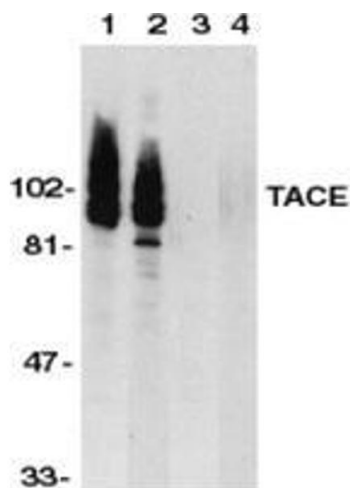
Product cited in: Wang, Wang, Yin, Zhang, Yu, Kong, Yuan, Fang, Liu, Liu, Shi: "Reduced neurotrophic factor level is the early event before the functional neuronal deficiency in high-fat diet induced obese mice." in: **Metabolic brain disease**, Vol. 32, Issue 1, pp. 247-257, (2018) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Immunofluorescence of TACE in HeLa cells with TACE at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of TACE in HeLa (1,3) and Jurkat (2,4) whole cell lysate in the absence (1,2) or presence (3,4) of blocking peptide with TACE Antibody at 1 µg/ml.



Immunofluorescence

Image 3. Immunocytochemistry of TACE in HeLa cells with TACE Antibody AP30854PU-N at 10 µg/ml.