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anti-ADAM17 antibody (C-Term)

3 Images

Target:



ADAM17

Publication



Go to Product page

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	
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Target Details

CD156b / ADAM17 (ADAM17 Products)
Tumor-necrosis factor-a is a proinflammatory cytokine and contributes to a variety of
inflammatory disease responses and programmed cell death. TNF-alpha is synthesized as a
26K type II membrane-bound precursor that is cleaved by a convertase to generate secreted
17K mature TNF-alpha. TNF-alpha 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, TGFa, 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-alpha
convertase, TNF-alpha-converting enzyme
6868
NP_003174
Notch Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Response to
Growth Hormone Stimulus
ELISA. Western blot: 1: 500 to 1: 2000. Immunoflourescence.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.
For Research Use only
PBS containing 0.02 % Sodium Azide
Sodium azide
This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
should be handled by trained staff only.
Avoid repeated freezing and thawing.

Storage Comment:

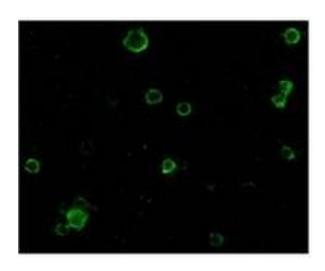
Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

Product cited in:

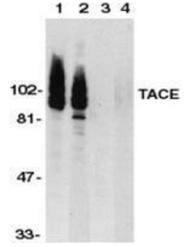
Suzuki, Fujisawa, Ando, Niino, Ohsawa, Shimokata, Ohta: "Alcohol dehydrogenase 2 variant is associated with cerebral infarction and lacunae." in: **Neurology**, Vol. 63, Issue 9, pp. 1711-3, (2004) (PubMed).

Images



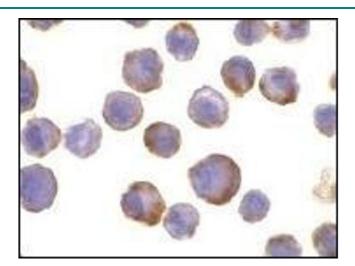
Immunofluorescence

Image 1. Immunofluorescence of TACE in HeLa cells with TACE at 10 $\mu g/ml$.



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 μ g/ml.



Immunofluorescence

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