BT LAB
Bioassay Technology Laboratory

Optimize Your Research

TACE Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08786
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ADAM 17. AA range:701-750
Mol wt	93021
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IF, ELISA
Concentration	1 mg/ml
Full name	TACE Antibody
Synonyms	ADAM17; CSVP; TACE; Disintegrin and metalloproteinase domain-containing protein 17; ADAM 17; Snake venom-like protease; TNF-alpha convertase; TNF-alpha-converting enzyme; CD antigen CD156b

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ADAM17 (ADAM metallopeptidase domain 17) encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biologic processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The encoded preproprotein is proteolytically processed to generate the mature protease. The encoded protease functions in the ectodomain shedding of tumor necrosis factor-alpha, in which soluble tumor necrosis factor-alpha is released from the membrane-bound precursor. This protease also functions in the processing of numerous other substrates, including cell adhesion proteins, cytokine and growth factor receptors and epidermal growth factor (EGF) receptor ligands. The encoded protein also plays a prominent role in the activation of the Notch signaling pathway. Elevated expression of ADAM17 has been observed in specific cell types derived from psoriasis, rheumatoid arthritis, multiple sclerosis and Crohn's disease patients, suggesting that the encoded protein may play a role in autoimmune disease.

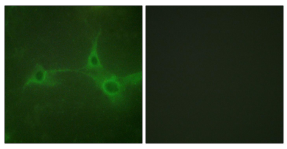
Recommended Dilution

IF: 1: 200 - 1: 1000

ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunofluorescence analysis of NIH/3T3 cells, using ADAM 17 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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