

Rabbit Anti-phospho-ADAM17 (Thr735)/AF350 Conjugated antibody

SL12447R-AF350

Product Name	Anti-phospho-ADAM17 (Thr735)/AF350
Chinese Name	AF350 标记的磷酸化 CD156b 抗体
Alias	ADAM17 (phospho T735); p-ADAM17 (phospho T735); p-CD156b(phospho T735); A disintegrin and metalloproteinase domain 17; ADAM 17; ADAM metalloproteinase domain 17; ADAM17 protein; CD 156b; CD156b; CD156b antigen; CSVP; MGC71942; Snake venom like protease; TACE; TNF alpha convertase; TNF alpha converting enzyme; Tumor Necrosis Factor Alpha Converting Enzyme; A disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme).
Product Type	Phosphorylated anti
Research Area	Tumour Cell biology Neurobiology Signal transduction Stem cells transcriptional regulatory factor The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Pig,Cow,Sheep)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	68kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthesised phosphopeptide derived from human ADAM17 around the phosphorylation site of Thr735
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH

7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

background:

This gene 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 protein encoded by this gene functions as a tumor necrosis factor-alpha converting enzyme; binds mitotic arrest deficient 2 protein; and also plays a prominent role in the activation of the Notch signaling pathway. [provided by RefSeq].

Function:

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. Also involved in the activation of Notch pathway (By similarity).

Subunit:

Interacts with MAD2L1, MAPK14 and MUC1.

Product Detail

Subcellular Location:

Membrane.

Tissue Specificity:

Ubiquitously expressed. Expressed at highest levels in adult heart, placenta, skeletal muscle, pancreas, spleen, thymus, prostate, testes, ovary and small intestine, and in fetal brain, lung, liver and kidney.

Similarity:

Contains 1 disintegrin domain.

Contains 1 peptidase M12B domain.

Database links:

[Entrez Gene: 6868](#) Human

[Entrez Gene: 11491](#) Mouse

[Entrez Gene: 57027](#) Rat

[Omim: 603639](#) Human



[SwissProt: P78536](#) Human

[SwissProt: Q9Z0F8](#) Mouse

[SwissProt: Q9Z1K9](#) Rat

[Unigene: 404914](#) Human

[Unigene: 27681](#) Mouse

[Unigene: 144585](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.