



## Rabbit Anti-phospho-ADAM17 (Thr735) antibody

SL12447R

<b>Product Name:</b>	phospho-ADAM17 (Thr735)
<b>Chinese Name:</b>	磷酸化CD156b抗体
<b>Alias:</b>	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).
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	68/91kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthesised phosphopeptide derived from human ADAM17 around the phosphorylation site of Thr735:PQ(p-T)PG<Cytoplasmic>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

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.

**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.

**SWISS:**

P78536

**Gene ID:**

6868

**Database links:**

[Entrez Gene: 6868](#)Human

[Entrez Gene: 11491](#)Mouse

[Entrez Gene: 57027](#)Rat

[Omin: 603639](#)Human

**Product Detail:**

[SwissProt: P78536](#)Human

[SwissProt: Q9Z0F8](#)Mouse

[SwissProt: Q9Z1K9](#)Rat

[Unigene: 404914](#)Human

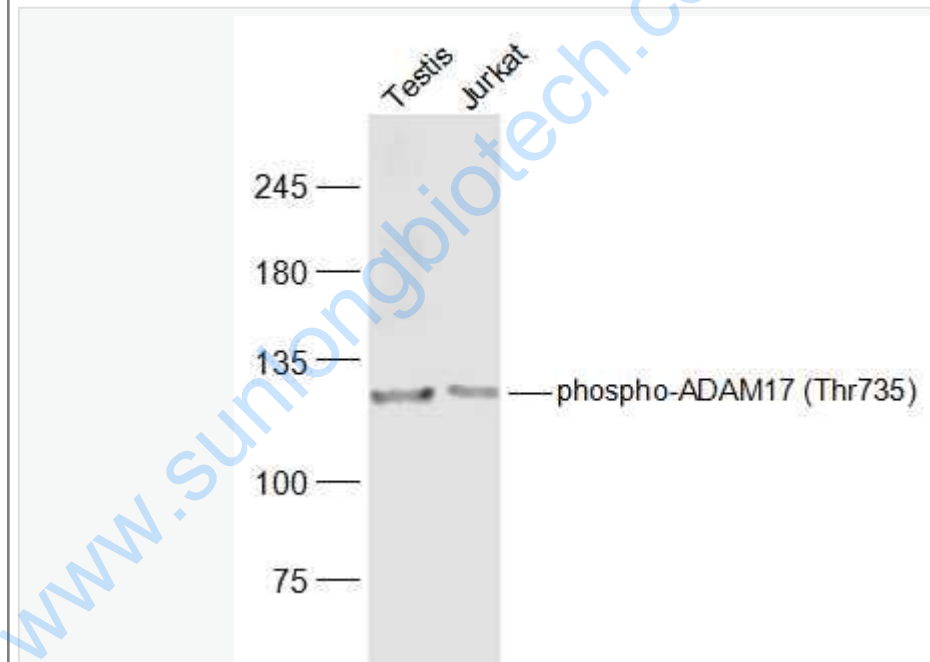
[Unigene: 27681](#)Mouse

[Unigene: 144585](#)Rat

**Important Note:**

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

**Picture:**



Sample:

Testis(Mouse) Lysate at 40 ug

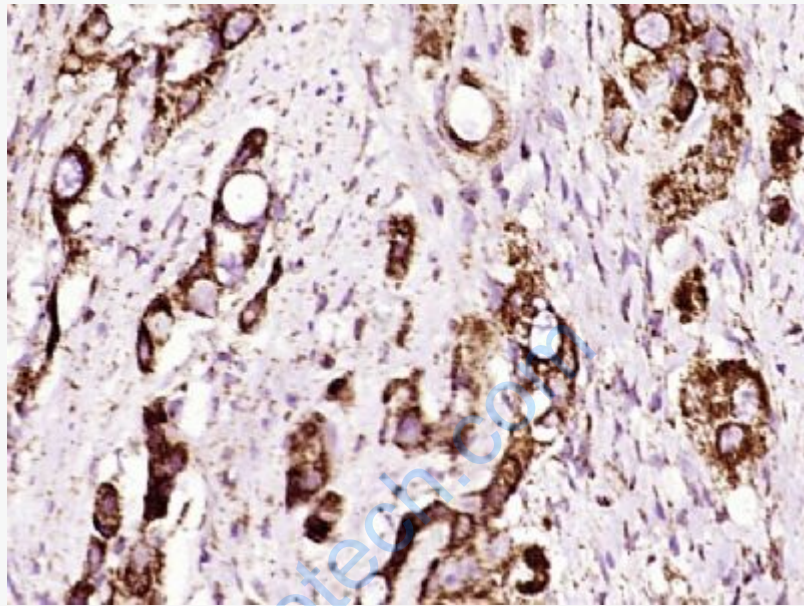
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-phospho-ADAM17 (Thr735) (SL12447R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 68 kD

Observed band size: 120 kD



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ADAM17 (Thr735)) Polyclonal Antibody, Unconjugated (SL12447R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.