

RANTES Antibody
Rabbit mAb
Catalog # AP91609**Specification**

RANTES Antibody - Product Information

Application	WB, ICC
Primary Accession	P13501
Clonality	Monoclonal
Other Names	
SISd; eoCP; SCYA5; RANTES; TCP228; D17S136E; SIS-delta;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	9990 Da

RANTES Antibody - Additional Information

Dilution	WB~~1:1000 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human RANTES
Description	Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. Binds to CCR1, CCR3, CCR4 and CCR5.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

RANTES Antibody - Protein Information**Name** CCL5**Synonyms** D17S136E, SCYA5**Function**

Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chemokine receptors including CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant RANTES protein induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form RANTES(3-68) acts as a natural chemotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chemotactic and HIV-suppressive activity compared with RANTES(1-68) and RANTES(3-68) (PubMed:<a

[1380064](http://www.uniprot.org/citations/1380064), PubMed: [15923218](http://www.uniprot.org/citations/15923218), PubMed: [16791620](http://www.uniprot.org/citations/16791620), PubMed: [8525373](http://www.uniprot.org/citations/8525373), PubMed: [9516414](http://www.uniprot.org/citations/9516414)). May also be an agonist of the G protein-coupled receptor GPR75, stimulating inositol trisphosphate production and calcium mobilization through its activation. Together with GPR75, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. By activating GPR75 may also play a role in insulin secretion by islet cells (PubMed: [23979485](http://www.uniprot.org/citations/23979485)).

Cellular Location

Secreted.

Tissue Location

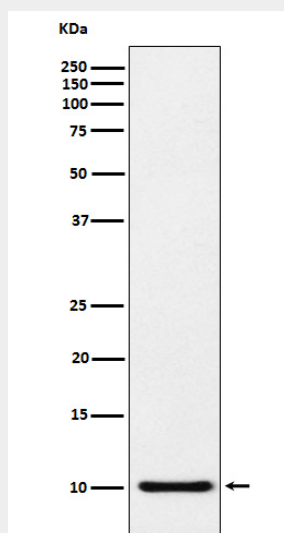
Expressed in the follicular fluid (at protein level). T-cell and macrophage specific.

RANTES Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RANTES Antibody - Images



Western blot analysis of RANTES expression in RANTES recombinant protein lysate.