

SLPI Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58527**Specification**

SLPI Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P03973
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14326

SLPI Polyclonal Antibody - Additional Information**Gene ID** 6590**Other Names**

Antileukoproteinase, ALP, BLPI, HUSI-1, Mucus proteinase inhibitor, MPI, Protease inhibitor WAP4, Secretory leukocyte protease inhibitor, Seminal proteinase inhibitor, WAP four-disulfide core domain protein 4, SLPI, WAP4, WFDC4

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

SLPI Polyclonal Antibody - Protein Information**Name** SLPI**Synonyms** WAP4, WFDC4**Function**

Acid-stable proteinase inhibitor with strong affinities for trypsin, chymotrypsin, elastase, and cathepsin G (PubMed:<[a href="http://www.uniprot.org/citations/3533531" target="_blank">3533531](http://www.uniprot.org/citations/3533531), PubMed:<[a href="http://www.uniprot.org/citations/3462719" target="_blank">3462719](http://www.uniprot.org/citations/3462719), PubMed:<[a href="http://www.uniprot.org/citations/2039600" target="_blank">2039600](http://www.uniprot.org/citations/2039600), PubMed:<[a href="http://www.uniprot.org/citations/2110563" target="_blank">2110563](http://www.uniprot.org/citations/2110563), PubMed:<[a href="http://www.uniprot.org/citations/10702419" target="_blank">10702419](http://www.uniprot.org/citations/10702419), PubMed:<[a href="http://www.uniprot.org/citations/24121345" target="_blank">24121345](http://www.uniprot.org/citations/24121345)). Modulates the inflammatory and immune responses after bacterial infection, and after infection by the intracellular parasite L.major. Down-regulates responses to bacterial lipopolysaccharide (LPS) (By similarity). Plays a role in regulating the activation of NF-kappa- B and inflammatory responses (PubMed:<[a href="http://www.uniprot.org/citations/10702419" target="_blank">10702419](http://www.uniprot.org/citations/10702419), PubMed:<[a href="http://www.uniprot.org/citations/24352879" target="_blank">24352879](http://www.uniprot.org/citations/24352879)). Has

antimicrobial activity against mycobacteria, but not against salmonella. Contributes to normal resistance against infection by M.tuberculosis. Required for normal resistance to infection by L.major. Required for normal wound healing, probably by preventing tissue damage by limiting protease activity (By similarity). Together with ELANE, required for normal differentiation and proliferation of bone marrow myeloid cells (PubMed:24352879).

Cellular Location

Secreted

Tissue Location

Detected in blood plasma (PubMed:24352879). Detected in bone marrow myeloid cells (PubMed:24352879). Detected in airway sputum (PubMed:2039600). Detected in parotid gland secretions (PubMed:3462719). Detected in seminal plasma (at protein level) (PubMed:3485543). Detected in uterus cervix (PubMed:3533531)

SLPI Polyclonal 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](#)

SLPI Polyclonal Antibody - Images