

## Product datasheet for **AP26394PU-N**

### SLPI Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Immunoassays. Immunoprecipitation. Western blot: The typical starting working dilution is 1:10.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Specificity:	The antibody reacts with secretory leukocyte proteinase inhibitor (SLPI; also known as antileukoprotease (ALP)).
Formulation:	PBS State: Purified State: Luliquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein A
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	secretory leukocyte peptidase inhibitor
Database Link:	<a href="#">Entrez Gene 6590 Human P03973</a>



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**Background:**

SLPI is a 11.7 kDa cationic inhibitor of neutrophil elastase and to a lesser extent of cathepsin G. It is locally produced by epithelial cells in the lung, skin and other organs, by Polymorphonuclear leukocytes (PMN) and (in mice) by macrophages. In addition to its proteinase inhibitory properties that may serve to protect against proteolytic injury, it was recently shown that SLPI also displays several other functions such as antimicrobial and anti-inflammatory activities. These appear to be independent of its ability to inhibit PMN serine proteinases. SLPI has also been demonstrated to display antibacterial and antifungal activity at concentrations in which SLPI is present in mucosal secretions including those of the lung. Another possible role for SLPI is inhibition of protein-disulphide isomerase that is considered essential for invasion of a cell by the Human Immunodeficiency Virus (HIV).

**Synonyms:**

SLPI, WAP4, WFDC4