

# Product Datasheet

## SLPI Antibody - BSA Free NBP1-76803

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-76803**

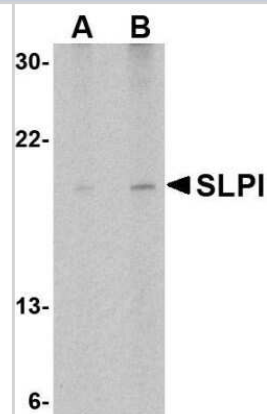
SLPI Antibody - BSA Free

| Product Information         |                                                                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 mg                                                                                                                                                                                                 |
| Concentration               | 1 mg/ml                                                                                                                                                                                                |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                                                                                                                 |
| Clonality                   | Polyclonal                                                                                                                                                                                             |
| Preservative                | 0.02% Sodium Azide                                                                                                                                                                                     |
| Isotype                     | IgG                                                                                                                                                                                                    |
| Purity                      | Peptide affinity purified                                                                                                                                                                              |
| Buffer                      | PBS                                                                                                                                                                                                    |
| Target Molecular Weight     | 19 kDa                                                                                                                                                                                                 |
| Product Description         |                                                                                                                                                                                                        |
| Host                        | Rabbit                                                                                                                                                                                                 |
| Gene ID                     | 6590                                                                                                                                                                                                   |
| Gene Symbol                 | SLPI                                                                                                                                                                                                   |
| Species                     | Human, Mouse                                                                                                                                                                                           |
| Immunogen                   | Antibody was raised against a 17 amino acid synthetic peptide from near the center of human SLPI. The immunogen is located within amino acids 60 - 110 of SLPI. Amino Acid Sequence: CLDPVDTPNPTRRKPGK |
| Product Application Details |                                                                                                                                                                                                        |
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                                                                                      |
| Recommended Dilutions       | Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 10 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 10 ug/ml                                             |
| Application Notes           | Use in ICC/IF reported in scientific literature (PMID: 28597116).                                                                                                                                      |

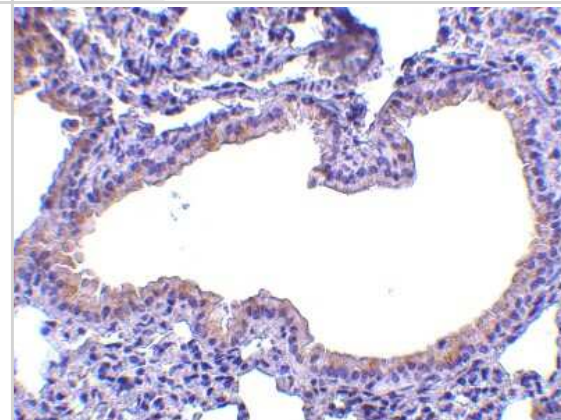


## Images

Western Blot: SLPI Antibody [NBP1-76803] - Daudi cell lysate with SLPI antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry-Paraffin: SLPI Antibody [NBP1-76803] - Mouse lung tissue with SLPI antibody at 10 ug/ml.



## Publications

A Lebeau, D Bruyere, P Roncarati, P Peixoto, E Hervouet, G Cobraivill, B Taminiau, M Masson, C Gallego, G Mazzucchel, N Smargiasso, M Fleron, D Baiwir, E Hendrick, C Pilard, T Lerho, C Reynders, M Ancion, R Greimers, JC Twizere, G Daube, G Schlecht-L, F Bachelerie, JD Combes, P Melin, M Fillet, P Delvenne, P Hubert, M Herfs HPV infection alters vaginal microbiome through down-regulating host mucosal innate peptides used by Lactobacilli as amino acid sources *Nature Communications*, 2022-02-28;13(1):1076. 2022-02-28 [PMID: 35228537]

Anne L. Rosen, Michael A. Lint, Dayne H. Voelker, Nicole M. Gilbert, Christopher P. Tomera, Jesús Santiago-Borges, Meghan A. Wallace, Thomas J. Hannan, Carey-Ann D. Burnham, Scott J. Hultgren, Andrew L. Kau, Matthew R. Chapman Secretory leukocyte protease inhibitor protects against severe urinary tract infection in mice *mBio* 2024-02-01 [PMID: 38270443]

Rosen AL, Lint MA, Voelker DH et al. Secretory Leukocyte Protease Inhibitor Protects Against Severe Urinary Tract Infection in Mice *bioRxiv* : the preprint server for biology 2023-10-13 [PMID: 37873489] (IF/ICC, Mouse)

Liu C, Gong J, Zhang Q et al. Dietary iron modulates gut microbiota and induces SLPI secretion to promote colorectal tumorigenesis *Gut microbes* 2023-06-14 [PMID: 37312410] (WB, IHC-P, Mouse)

Svensson D, Aidoukovitch A, Anders E et al. Secretory leukocyte protease inhibitor regulates human periodontal ligament cell production of pro-inflammatory cytokines *Inflamm. Res.* 2017-09-01 [PMID: 28597116] (ICC/IF, Human)



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### **Products Related to NBP1-76803**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-76803PEP | SLPI Antibody Blocking Peptide                      |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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