

Datasheet for ABIN500774
anti-SLPI antibody (Center)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	0.1 mg
Target:	SLPI
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLPI antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	SLPI antibody was raised against a 17 amino acid peptide from near the center of human SLPI.
Isotype:	IgG
Specificity:	This antibody detects Antileukoproteinase (ALP).
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	SLPI
Alternative Name:	Antileukoproteinase (ALP) (SLPI Products)

Target Details

Background: Secretory leukocyte protease inhibitor (SLPI) is produced at mucosal surfaces, primarily the upper respiratory tract and is thought to play an important role in the antiprotease defense mechanism of the lung. SLPI forms inhibitory complexes with numerous proteolytic enzymes such as neutrophil elastase, and has been shown to possess anti-inflammatory, anti-viral, and antibacterial activities. Its expression in oral epithelial cells is stimulated by HIV-1 gp120, suggesting that SLPI is a component of the oral mucosal response to HIV-1. In peripheral blood monocytes, SLPI can inhibit NF- κ B activation by inhibiting I κ B degradation in the cytoplasm and competing for NF- κ B binding sites in the nucleus. This attenuation of the inflammatory response may also act to suppress liver metastases and other cancer cell invasions, but promote blood-borne metastasis via an invasion-independent pathway. Synonyms: BLPI, HUSI-1, Mucus proteinase inhibitor, Protease inhibitor WAP4, SLPI, Secretory leukocyte protease inhibitor, Seminal proteinase inhibitor, WAP four-disulfide core domain protein 4, WAP4, WFDC4

Gene ID: 6590

UniProt: [P03973](#)

Application Details

Application Notes: ELISA. Western blot: 0.5 - 1 μ g/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

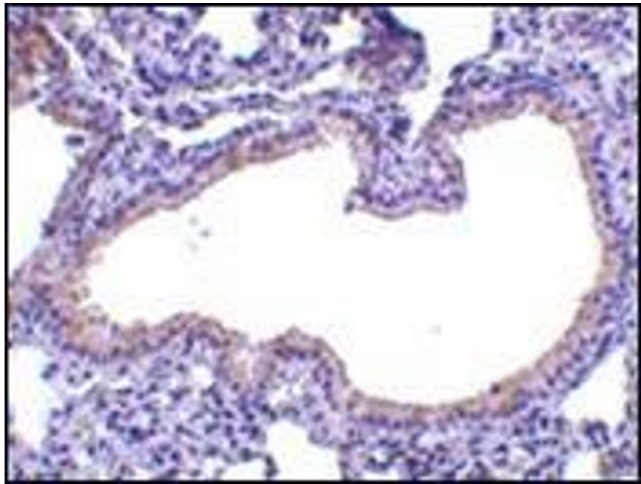
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Publications

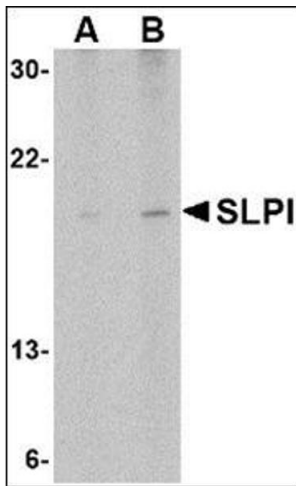
Product cited in: Newman, Bailey, Fan, Pavelitz, Weiner: "An abundant evolutionarily conserved CSB-PiggyBac

fusion protein expressed in Cockayne syndrome." in: **PLoS genetics**, Vol. 4, Issue 3, pp. e1000031, (2008) ([PubMed](#)).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of SLPI in mouse lung tissue with this product at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of SLPI in Daudi cell lysate with this product at (A) 1 and (B) 2 µg/ml.