

Datasheet for 600-401-ER2**SLPI Antibody****Overview**

Description:	Anti-SLPI (RABBIT) Antibody - 600-401-ER2
Item No.:	600-401-ER2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product 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-κB activation by inhibiting IκB degradation in the cytoplasm and competing for NF-κB 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:	SLPI Antibody, ALP, MPI, ALK1, BLPI, HUSI, WAP4, WFDC4, HUSI-I, Antileukoproteinase, ALP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLPI
Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-SLPI antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide from near the internal region of mouse SLPI.
Purity/Specificity:	Anti-SLPI Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SLPI from other sources has not been determined.
Relevant Links:	• UniProtKB - P03973 • GeneID - 6590 • NCBI - NP_003055.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-SLPI Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 14 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
WB:	2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of SLPI antibody. Lane 1: A20 cell lysate at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 95.1 kDa, ~20 kDa for SLPI.

Disclaimer

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