

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PLUNC in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human PLUNC Gln20-Val256 Accession # Q9NP55
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human PLUNC

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

PLUNC, also named SPLUNC1, is a secreted protein that is expressed in the secretory ducts and submucosal glands of tracheobronchial tissues. It is structurally related to bactericidal/permeability-increasing protein (BPI) and lipopolysaccharide binding protein (LBP), which are central to the host defense against gram-negative bacteria. PLUNC belongs to the short subfamily of PLUNC family proteins and have homology only to the N-terminal domains of BPI. PLUNC may function in the innate immune response against bacteria.