

Rabbit anti-Human, Rat PLUNC Polyclonal Antibody | anti-PLUNC antibody

PLUNC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322768	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

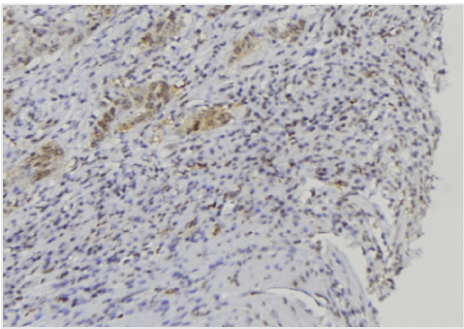
PRODUCT SYNONYMS

PLUNC; Polyclonal Antibody; PLUNC Antibody; BPIFA1; bA49G10.5; LPLUNC3; Lung-specific protein X; LUNX; NASG; Nasopharyngeal carcinoma-related protein; Palate lung and nasal epithelium clone protein; Protein Plunc; Secretory protein in upper respiratory tracts; SPLUNC1; SPURT; Tracheal epithelium-enriched protein; Von Ebner protein HI; anti-PLUNC antibody

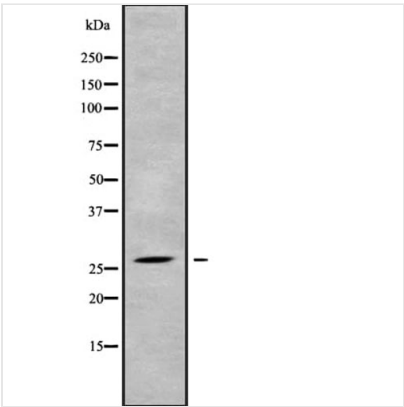
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PLUNC antibody detects endogenous levels of total PLUNC
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	256
Applicable Applications for anti-PLUNC antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLUNC
Subcellular Location	Extracellular Region or Secreted
Tissue Specificity	Lung, upper airways and nasopharyngeal regions, including trachea and nasal epithelium. Specifically expressed in the secretory ducts and submucosal glands of tracheobronchial tissues. Highest expression in the trachea and progressive decrease from proximal (bronchial) to distal (bronchiolar) airways. Also expressed in lung cancers and some other types of cancer.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA322768 at 1/100 staining Human lung cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of PLUNC using 293 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PLUNC antibody	Function: Plays a role in the innate immune responses of the upper airways. Reduces the surface tension in secretions from airway epithelia and inhibits the formation of biofilm by pathogenic Gram-negative bacteria, such as P.aeruginosa and K.pneumoniae. Binds bacterial lipopolysaccharide (LPS). Negatively regulates proteolytic cleavage of SCNN1G, an event that is required for activation of the epithelial sodium channel (ENaC), and thereby contributes to airway surface liquid homeostasis and proper clearance of mucus. Plays a role in the airway inflammatory response after exposure to irritants. May attract macrophages and neutrophils. May be associated with tumor progression. Subunit Structure: Monomer. Interacts (via N-terminus) with SCNN1B, a subunit of the heterotrimeric epithelial sodium channel (ENaC); this inhibits proteolytic activation of ENaC. Post-translational Modifications: May be N-glycosylated. Similarity: Belongs to the BPI/LBP/Plunc superfamily. Plunc family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	342307069
NCBI GeneID	51297
NCBI Accession #	NP_001230122.1
NCBI GenBank Nucleotide #	NM_001243193.1
UniProt Accession #	Q9NP55; Q9NZT0; A6XMV5; A8K9R3; E1P5M9
Molecular Weight	Observed: 27 kDa Predicted: 27 kDa
NCBI Official Full Name	BPI fold-containing family A member 1
NCBI Official Synonym Full Names	BPI fold containing family A member 1
NCBI Official Symbol	BPIFA1
NCBI Official Synonym Symbols	LUNX; NASG; PLUNC; SPURT; SPLUNC1; bA49G10.5
NCBI Protein Information	BPI fold-containing family A member 1
UniProt Protein Name	BPI fold-containing family A member 1
UniProt Gene Name	BPIFA1
UniProt Synonym Gene Names	LUNX; NASG; PLUNC; SPLUNC1; SPURT; SPLUNC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/plunc-antibody-immunohistochemistry-western-blot-elisa/322768>