
Product Name: PLUNC Rabbit Polyclonal Antibody**Catalog #: APRab16291**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000

Molecular Weight

Antigen Information

Gene Name	BPIFA1
Alternative Names	BPIFA1; LUNX; NASG; PLUNC; SPURT; BPI fold-containing family A member 1; Lung-specific protein X; Nasopharyngeal carcinoma-related protein; Palate lung and nasal epithelium clone protein; Secretory protein in upper respiratory tracts; Trach
Gene ID	51297.0
SwissProt ID	Q9NP55
Immunogen	Synthesized peptide derived from the Internal region of human PLUNC.

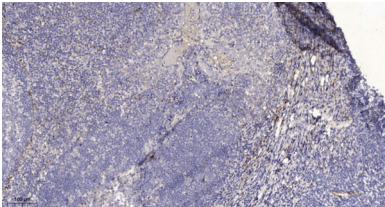
Background

This gene is the human homolog of murine plunc, and like the mouse gene, is specifically expressed in the upper airways and nasopharyngeal regions. The encoded antimicrobial protein displays antibacterial activity against Gram-negative bacteria. It is thought to be involved in inflammatory responses to irritants in the upper airways and may also serve as a potential molecular marker for detection of micrometastasis in non-small-cell lung cancer. Multiple transcript variants resulting from alternative splicing in the 3' UTR have been detected, but the full-length nature of only three are known. [provided by RefSeq, Aug 2014],function:May be involved in the airway inflammatory response after exposure to irritants. May be associated with tumor progression. May play a role in innate immune responses of the upper airways.,induction:By all-trans retinoic acid (ATRA),miscellaneous:Binds lipopolysaccharides.,PTM:May be N-glycosylated.,similarity:Belongs to the BPI/LBP/Plunc superfamily. Plunc family.,subcellular location:Found in the nasal mucus (By similarity). Apical side of airway epithelial cells. Detected in nasal mucus.,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.,

Research Area

Cancer; Tumor biomarkers

Image Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .