

PLUNC Rabbit pAb

CatalogNo: YT3799

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 27kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

IHC 1:100-1:300

ELISA 1:40000

IF 1:50-200

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from the Internal region of human PLUNC.

Specificity

PLUNC Polyclonal Antibody detects endogenous levels of PLUNC protein.

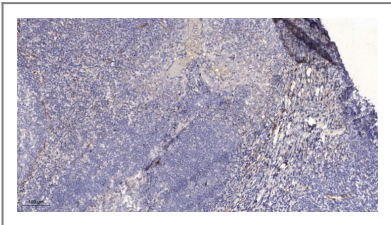
Target Information

Gene name

BPIFA1

Protein Name	BPI fold-containing family A member 1		
	Organism	Gene ID	UniProt ID
	Human	51297 ;	Q9NP55 ;
	Mouse		P97361 ;
Cellular Localization	Secreted . Apical side of airway epithelial cells. Detected in airway surface liquid, nasal mucus and sputum.		
Tissue specificity	Highly expressed in lung, upper airways and nasopharyngeal regions, including trachea and nasal epithelium (at protein level) (PubMed:11018263, PubMed:11251963, PubMed:12409287, PubMed:11425234, PubMed:26559477). Specifically expressed in the secretory ducts and submucosal glands of tracheobronchial tissues (at protein level) (PubMed:12409287, PubMed:11425234). Also expressed in the eye where it is detected in lacrimal gland, eyelid, conjunctiva and cornea (at protein level) (PubMed:26559477). Specifically localizes to epithelial cell layers in cornea, eyelid (basal epithelium) and conjunctiva (at protein level) (PubMed:26559477). Detected within acinar cells and ducts in the lacrimal and Meibomian glands (at protein level) (PubMed:26559477). In lung, shows highest expression in the trachea and progressive decrease from proximal (bronchial) to distal (bronchiolar) airways (PubMed:12409287). Also expressed in lung cancers and some other types of cancer (PubMed:11251963).		
Function	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.,		

Validation 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).

Contact information

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product information:
PLUNC Rabbit pAb

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