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LPlunc1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1652a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	Q8TDL5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2A5
Isotype	IgG1
Calculated MW	52442
Description	The protein encoded by this gene may be involved in the innate immune response to bacterial exposure in the mouth, nasal cavities, and lungs. The encoded protein is secreted and is a member of the BPI/LBP/PLUNC protein superfamily. This gene is found with other members of the superfamily in a cluster on chromosome 20.
Immunogen	Purified recombinant fragment of human LPlunc1 expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	92747
Other Names	BPI fold-containing family B member 1, Long palate, lung and nasal epithelium carcinoma-associated protein 1, Von Ebner minor salivary gland protein, VEMSGP, BPIFB1, C20orf114, LPLUNC1
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LPlunc1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BPIFB1

Synonyms	C20orf114, LPLUNC1
Function	May play a role in innate immunity in mouth, nose and lungs. Binds bacterial lipopolysaccharide (LPS) and modulates the cellular responses to LPS.
Cellular Location	Secreted.
Tissue Location	Detected in duodenum mucosal crypts of cholera patients, near Paneth cells (at protein level). Detected in trachea, nasal septal epithelium and lung.

References

1. Genes Immun. 2009 Apr;10(3):267-72. 2. Histochem Cell Biol. 2010 May;133(5):505-15.

Images

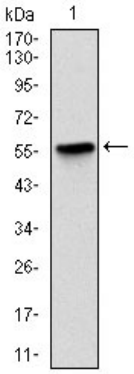


Figure 1: Western blot analysis using LPlunc1 mAb against human LPlunc1 recombinant protein. (Expected MW is 52 kDa)

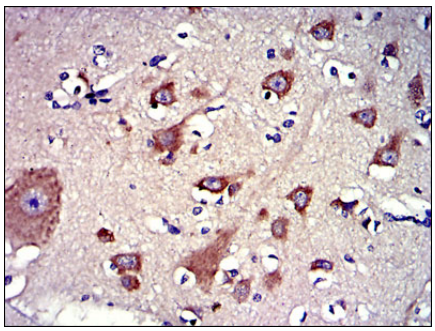


Figure 2: Immunohistochemical analysis of paraffin-embedded brain tissues using LPlunc1 mouse mAb with DAB staining.

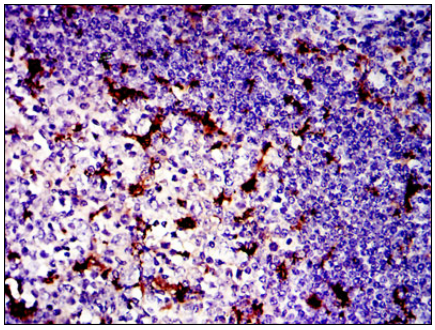
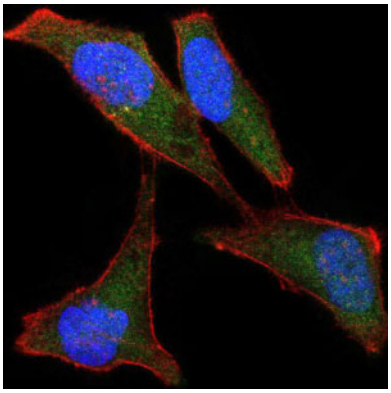


Figure 3: Immunohistochemical analysis of paraffin-embedded tonsil tissues using LPlunc1 mouse mAb with DAB staining.

Figure 4: Immunofluorescence analysis of Hela cells using LPlunc1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



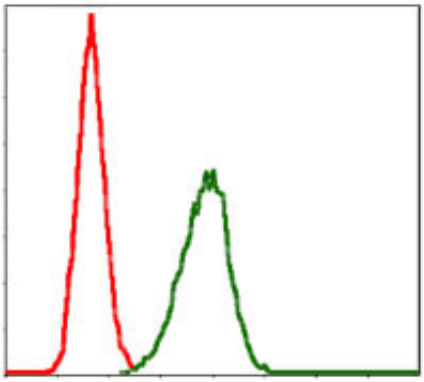


Figure 5: Flow cytometric analysis of Hela cells using LPlunc1 mouse mAb (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.