

mouse Lplunc1 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1714a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	Q61114
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	4H2
Isotype	IgG1
Calculated MW	52455
Description	Palate, lung, and nasal epithelium clone (Plunc, now renamed Splunc1) is a small secreted protein expressed in the oropharynx and upper airways of humans, mice, rats, and cows. This protein is structurally homologous to known mediators of host defense against gram-negative bacteria.
Immunogen	Purified recombinant fragment of mouse Lplunc1 expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	228801
Other Names	BPI fold-containing family B member 1, Long palate, lung and nasal epithelium carcinoma-associated protein 1, Bpifb1, 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	mouse Lplunc1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Bpifb1
Synonyms	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. May be involved in formation of the left-right axis in the node of the developing embryo.
Cellular Location	Secreted.
Tissue Location	Expressed in tongue, lung, thymus, and stomach. Expressed in epithelia of palate, anterior pharynx, trachea and upper bronchi. Expressed in distal tip of papillae in the anterior third of the tongue and in serous cells of von Ebner glands in the posterior third of the tongue. Expressed in columnar epithelium of the duodenum in embryonic gut at 16.5 dpc.

References

1. Briand F, et al. Clin Transl Sci, 2011 Dec. 2. Tang T, et al. Nat Biotechnol, 2010 Jul

Images

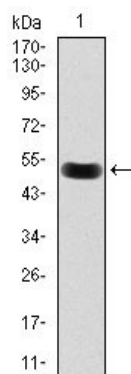


Figure 1: Western blot analysis using Lplunc1 mAb against mouse Lplunc1 (AA: 248-475) recombinant protein. (Expected MW is 50.8 kDa)

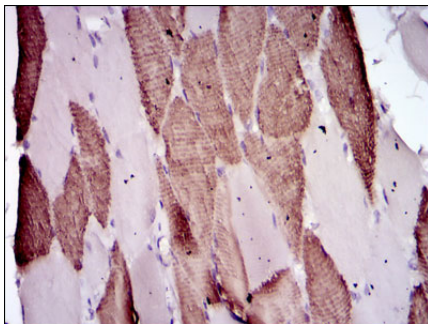


Figure 2: Immunohistochemical analysis of paraffin-embedded muscle tissues using Lplunc1 mouse mAb with DAB staining.

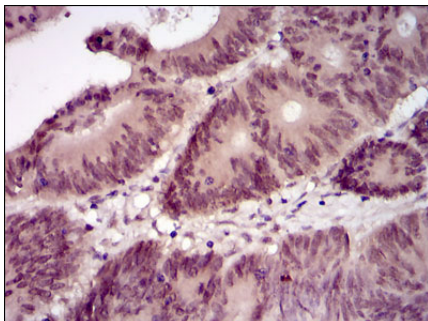


Figure 2: Immunohistochemical analysis of paraffin-embedded colon cancer tissues using Lplunc1 mouse mAb with DAB staining.

Figure 4: Flow cytometric analysis of MCF-7 cells using Lplunc1 mouse mAb (green) and negative control (red).

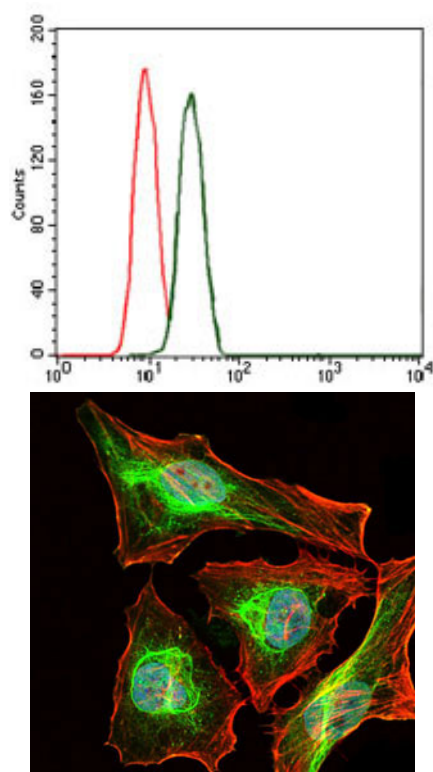


Figure 5: Immunofluorescence analysis of HeLa cells using Lplunc1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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