

**Bpifa2 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1908a****Specification****Bpifa2 Antibody - Product Information**

Application	<b>E, WB, FC, IHC</b>
Primary Accession	<a href="#">P07743</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>24.8kDa KDa</b>

**Description**

Bpifa2 has strong antibacterial activity against *P. aeruginosa*.

**Immunogen**

Purified recombinant fragment of mouse mSplunc2 (AA: 16-169) expressed in *E. Coli*.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide.

**Bpifa2 Antibody - Additional Information**

**Gene ID** 19194

**Other Names**

BPI fold-containing family A member 2, Parotid secretory protein, PSP, Bpifa2, Psp

**Dilution**

E~~1/10000

WB~~1/500 - 1/2000

FC~~1/200 - 1/400

IHC~~1/200 - 1/1000

**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**

Bpifa2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Bpifa2 Antibody - Protein Information**

**Name** Bpifa2

**Synonyms** Psp

### Function

Has strong antibacterial activity against *P. aeruginosa*.

### Cellular Location

Secreted.

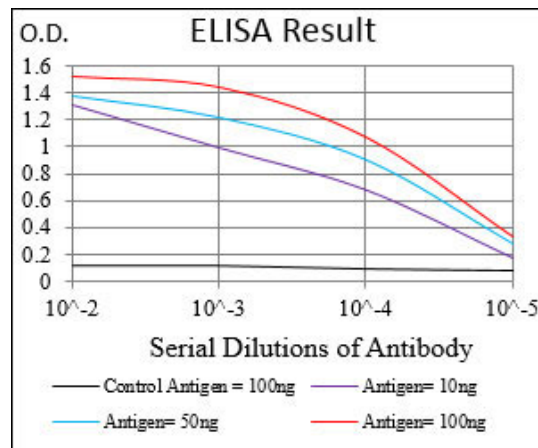
### Tissue Location

Predominates in the parotid glands, present in smaller amounts (1/10) in the submaxillary glands and in the sublingual glands, and at lower amount in the pancreas but undetectable in the liver. Found also in lacrimal gland.

## Bpifa2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



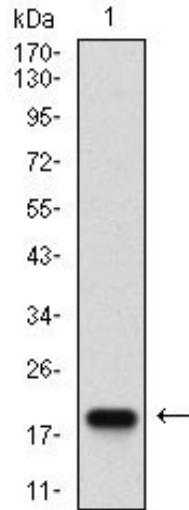


Figure 1: Western blot analysis using mSplunc2 mAb against human mSplunc2 (AA: ) recombinant protein. (Expected MW is 18.5 kDa)

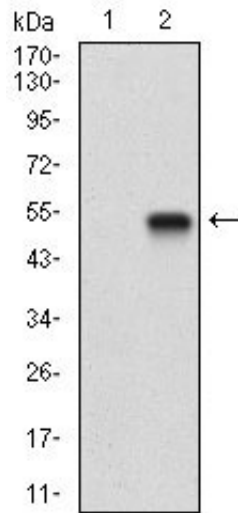


Figure 2: Western blot analysis using mSplunc2 mAb against HEK293 (1) and mSplunc2 -hlgGfC transfected HEK293 (2) cell lysate.

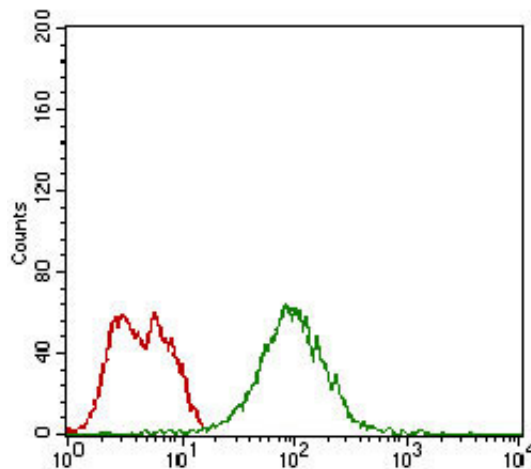


Figure 3: Flow cytometric analysis of MCF-7 cells using mSplunc2 mouse mAb (green) and negative control (red).

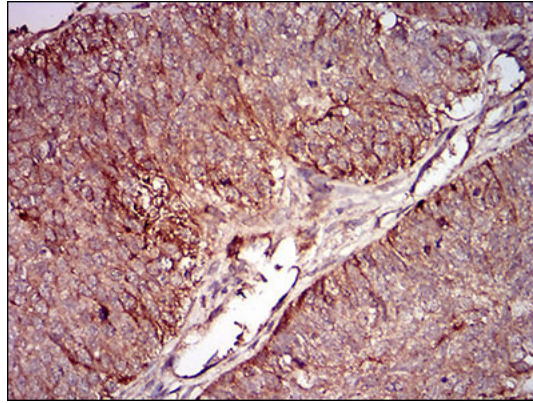


Figure 4: Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using mSplunc2 mouse mAb with DAB staining.

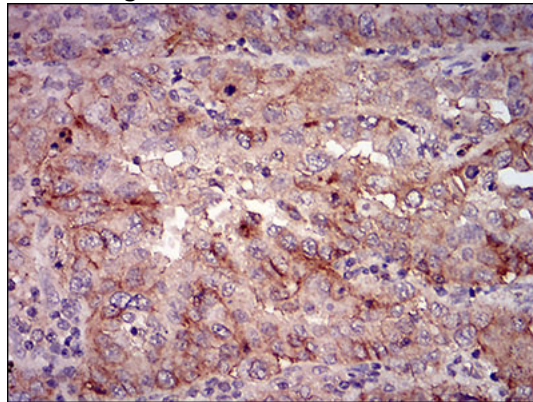


Figure 5: Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using mSplunc2 mouse mAb with DAB staining.

### **Bpifa2 Antibody - Background**

The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene. ;

### **Bpifa2 Antibody - References**

1. Am J Physiol. 1997 Apr;272(4 Pt 1):G863-71. 2. Nucleic Acids Res. 1998 Jun 1;26(11):2761-70.