

**Bpifa2 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1912a****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>24.8kd 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.

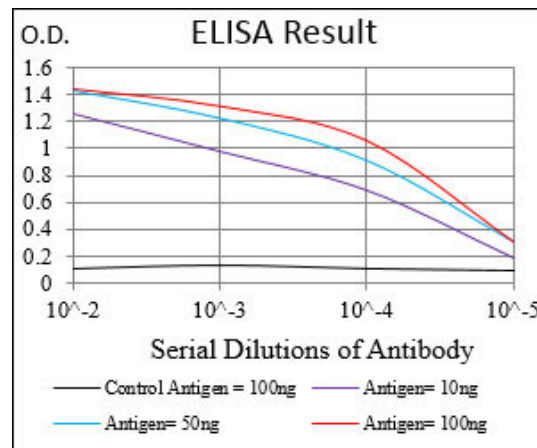
### Tissue Location

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](#)



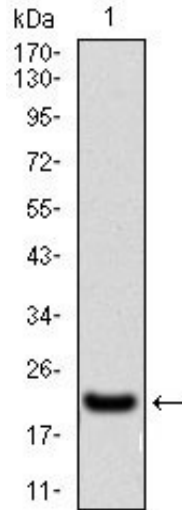


Figure 1: Western blot analysis using mSplunc2 mAb against mSplunc2 (AA: 16-169) recombinant protein. (Expected MW is 18.5 kDa)

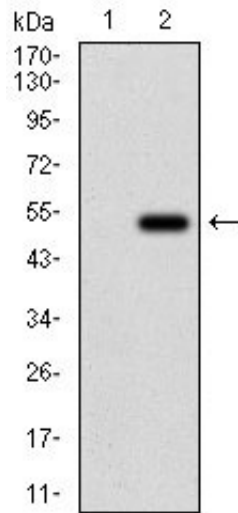


Figure 2: Western blot analysis using mSplunc2 mAb against HEK293 (1) and mSplunc2 (AA: 16-169)-hlgGfC transfected HEK293 (2) cell lysate.

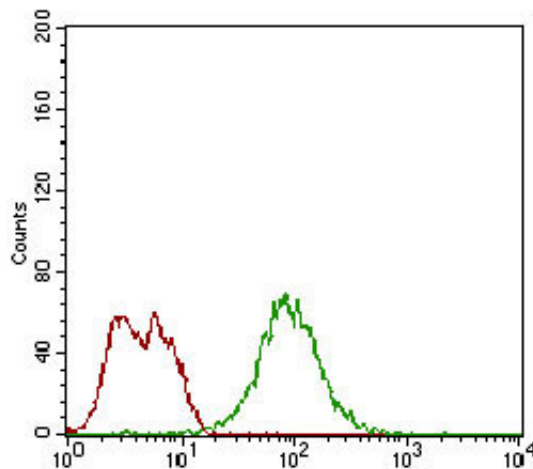


Figure 3: Flow cytometric analysis of MCF-7 cells using mSplunc2 mouse mAb (green) and negative control (red).

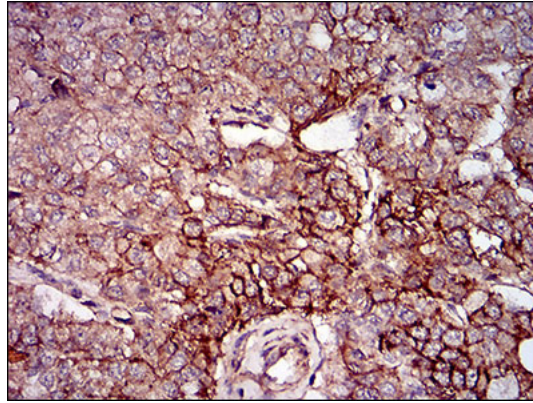


Figure 4: Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using mSplunc2 mouse mAb with DAB staining.

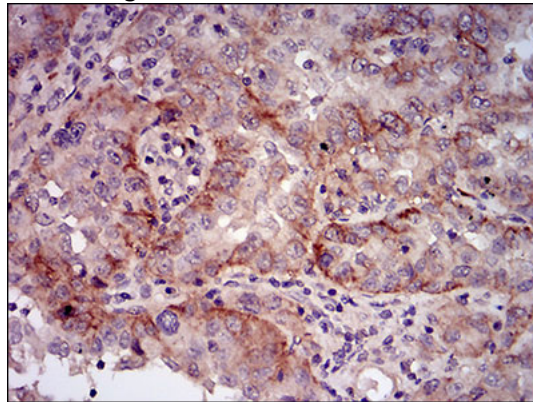


Figure 5: Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using mSplunc2 mouse mAb with DAB staining.

### **Bpifa2 Antibody - Background**

The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPRIA and BMPRIB and the type II receptor BMPRII. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. ; ;

### **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.