

# Bpifa2 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1908a

## Product Information

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<b>Application</b>	WB, IHC, FC, E
<b>Primary Accession</b>	<a href="#">P07743</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	3F8E4
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	24753
<b>Description</b>	Bpifa2 has strong antibacterial activity against P. aeruginosa.
<b>Immunogen</b>	Purified recombinant fragment of mouse mSplunc2 (AA: 16-169) expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide.

## Additional Information

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<b>Gene ID</b>	19194
<b>Other Names</b>	BPI fold-containing family A member 2, Parotid secretory protein, PSP, Bpifa2, Psp
<b>Dilution</b>	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 E~~1/10000
<b>Storage</b>	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.
<b>Precautions</b>	Bpifa2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Bpifa2
<b>Synonyms</b>	Psp
<b>Function</b>	Has strong antibacterial activity against P.aeruginosa.
<b>Cellular Location</b>	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.

## 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. ;

## References

1.Am J Physiol. 1997 Apr;272(4 Pt 1):G863-71.2.Nucleic Acids Res. 1998 Jun 1;26(11):2761-70.

## Images

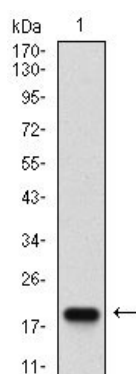


Figure 1: Western blot analysis using mSplunc2 mAb against human mSplunc2 (AA: ) recombinant protein. (Expected MW is 18.5 kDa)

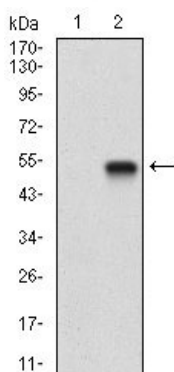


Figure 2: Western blot analysis using mSplunc2 mAb against HEK293 (1) and mSplunc2 -hIgGFc transfected HEK293 (2) cell lysate.

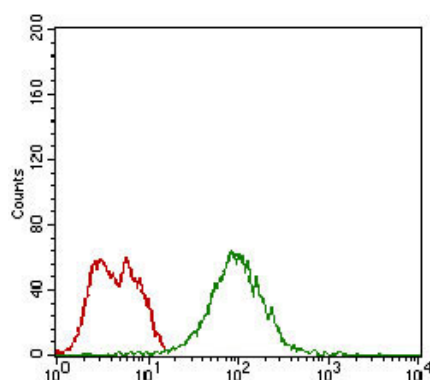


Figure 3: Flow cytometric analysis of MCF-7 cells using mSplunc2 mouse mAb (green) and negative control (red).

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

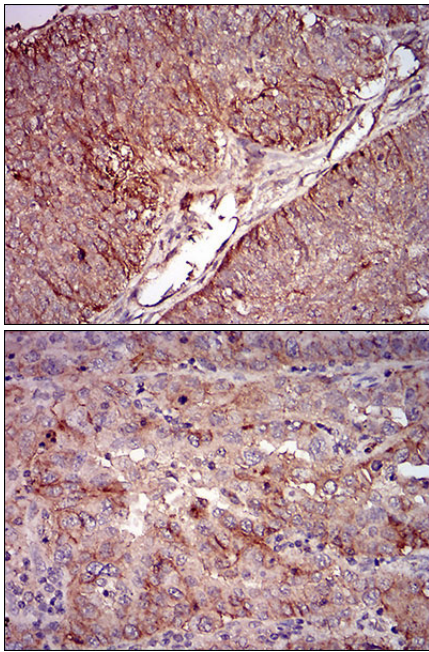


Figure 5: Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using mSplunc2 mouse mAb with DAB staining.

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