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Bpifa2 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1912a

Product Information

Application	WB, IHC, FC, E
Primary Accession	P07743
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2B4F5
Isotype	IgG1
Calculated MW	24753
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.

Additional Information

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

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.

Background

The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. 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. ; ;

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

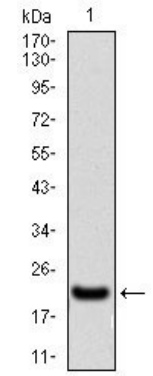


Figure 1: Western blot analysis using mSplunc2 mAb against mSplunc2 (AA: 16-169) recombinant protein. (Expected MW is 18.5 kDa)

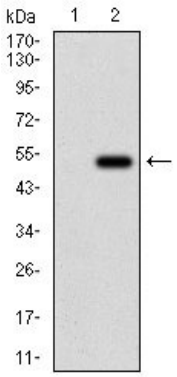


Figure 2: Western blot analysis using mSplunc2 mAb against HEK293 (1) and mSplunc2 (AA: 16-169)-hIgGFc transfected HEK293 (2) cell lysate.

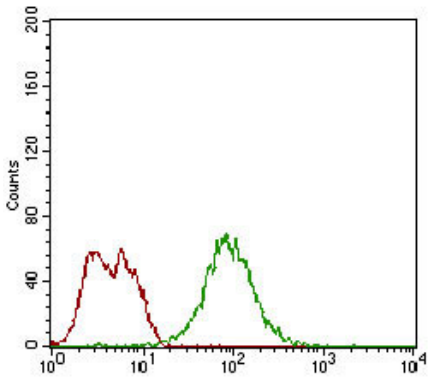


Figure 3: Flow cytometric analysis of MCF-7 cells using mSplunc2 mouse mAb (green) and negative control (red).

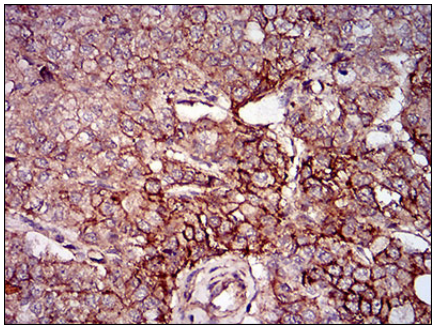


Figure 4: Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using mSplunc2 mouse mAb with DAB staining.

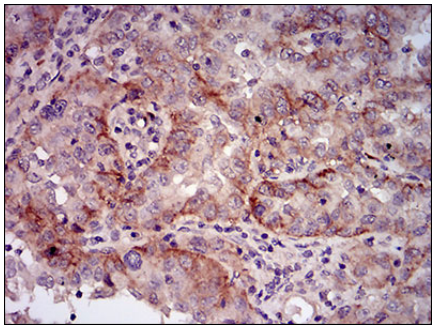


Figure 5: Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using mSplunc2 mouse mAb with DAB staining.

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