For Research Use Only

## INPP5D Polyclonal antibody

Catalog Number: 19694-1-AP 5 Publications

Antibodies | ELISA kits | Proteins www.ptglab.com

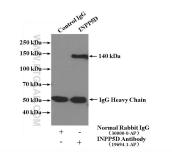
Basic Information	Catalog Number: 19694-1-AP	GenBank Acces NM_00101791		Purification Method: Antigen affinity purification	
	Size: GenelD (NCI			Recommended Dilutions:	
	500 μg/ml         3635           Source:         UNIPROT ID:			WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	Rabbit	Q92835		IHC 1:100-1:400	
	Isotype:     Full Name:       IgG     inositol polyphosphate-5-       phosphatase, 145kDa		•		
		Calculated MW 133 kDa	Calculated MW: 133 kDa		
		Observed MW: 145 kDa			
Applications	Tested Applications:		Positive Controls:		
			WB: Daudi cel	Daudi cells, Ramos cells, Raji cells, THP-1 cells	
	Cited Applications: WB, IHC		IP : Ramos cel	ls,	
	Species Specificity: human, mouse, rat	IHC : human tonsillitis tissue,			
	Cited Species: human, mouse				
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
	bujjer pri 6.0				
Background Informatior	INPP5D, also named as SH family. INPP5D is phospha phosphatidylinositol-3,4,5 the PI3K (phosphoinositide signaling. It mediates sign signal transduction from a regulator of myeloid cell p homeostasis, integrin alph proliferation of osteoclast endotoxin tolerance. It is i modulation of EGF-induce formation of the leading e cytotoxicity in NK cells. It i expression. INPP5D may a	tidylinositol (PtdIns) phosp -trisphosphate (PtdIns(3,4, e 3-kinase) pathways. INPP haling from the FC-gamma- ctivating immune/hemato proliferation/survival and c ha-IIb/beta-3 signaling in p precursors, macrophage pro nvolved in the control of ce d phospholipase C activity. dge and polarization requir mediates the activin/TGF-b	phatase that specifical 5)P3) to produce PtdIns 5D acts as a negative r -RIIB receptor (FCGR2B poietic cell receptor sy themotaxis, mast cell of latelets and JNK signa ogramming, phagocytor etl-cell junctions, CD32 . It is a key regulator of red for chemotaxis. It r pota-induced apoptosis 5)P4, and could thus aff	psitol-1,4,5-trisphosphate 5-phosphata ly hydrolyzes the 5-phosphate of s(3,4)P2, thereby negatively regulatin regulator of B-cell antigen receptor s), playing a central role in terminatin systems. INPP5D acts as a negative degranulation, immune cells ling in B-cells. INPP5D regulates psis and activation and is required for 2a signaling in neutrophils and f neutrophil migration, by governing to nodulates FCGR3/CD16-mediated s through its Smad-dependent fect the levels of the higher inositol	
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 For technical support and original validation data for this product please contact:

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 E: Proteintech-CN@ptglab.com
 W: ptgcn.com

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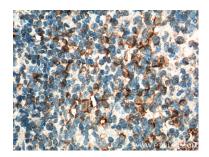
## Selected Validation Data



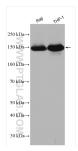
IP result of anti-INPP5D (IP:19694-1-AP, 4ug; Detection:19694-1-AP 1:300) with Ramos cells lysate 3600 ug.



Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 19694-1-AP (INPP5D Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 19694-1-AP (INPP5D Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 19694-1-AP (INPP5D antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.