

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-INPP5D



Numéro de catalogue: 19694-1-AP

5 Publications

## Informations de base

Numéro de catalogue:

19694-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop and 260 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM\_001017915

Identification du gène (NCBI):

3635

Nom complet:

inositol polyphosphate-5-phosphatase, 145kDa

MW calculé

133 kDa

MW observés:

145 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:200-1:1000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

IHC 1:100-1:400

## Applications

Applications testées:

IHC, IP, WB, ELISA

Demandes citées:

IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules Jurkat, cellules Raji, cellules Ramos, cellules THP-1

IP : cellules Ramos,

IHC : tissu d'amygdalite humain,

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

INPP5D, also named as SHIP, SHIP1, SIP-145 and hp51CN, belongs to the inositol-1,4,5-trisphosphate 5-phosphatase family. INPP5D is phosphatidylinositol (PtdIns) phosphatase that specifically hydrolyzes the 5-phosphate of phosphatidylinositol-3,4,5-trisphosphate (PtdIns(3,4,5)P<sub>3</sub>) to produce PtdIns(3,4)P<sub>2</sub>, thereby negatively regulating the PI3K (phosphoinositide 3-kinase) pathways. INPP5D acts as a negative regulator of B-cell antigen receptor signaling. It mediates signaling from the FC-gamma-RIIB receptor (FCGR2B), playing a central role in terminating signal transduction from activating immune/hematopoietic cell receptor systems. INPP5D acts as a negative regulator of myeloid cell proliferation/survival and chemotaxis, mast cell degranulation, immune cells homeostasis, integrin alpha-IIb/beta-3 signaling in platelets and JNK signaling in B-cells. INPP5D regulates proliferation of osteoclast precursors, macrophage programming, phagocytosis and activation and is required for endotoxin tolerance. It is involved in the control of cell-cell junctions, CD32a signaling in neutrophils and modulation of EGF-induced phospholipase C activity. It is a key regulator of neutrophil migration, by governing the formation of the leading edge and polarization required for chemotaxis. It modulates FCGR3/CD16-mediated cytotoxicity in NK cells. It mediates the activin/TGF-beta-induced apoptosis through its Smad-dependent expression. INPP5D may also hydrolyze PtdIns(1,3,4,5)P<sub>4</sub>, and could thus affect the levels of the higher inositol polyphosphates like InsP<sub>6</sub>. This antibody is specific to INPP5D.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Ruriko Suzuki	31339552	Eur J Immunol	WB
Christina E Murray	30029687	Acta Neuropathol Commun	IHC
Qiaofen Fu	30720128	Oncol Rep	WB,IHC

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquoteage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

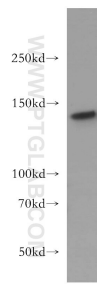
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

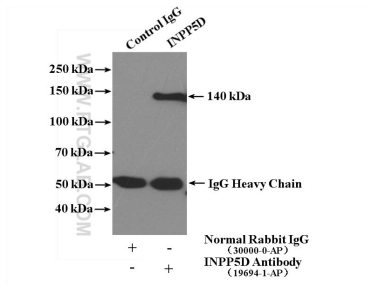
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

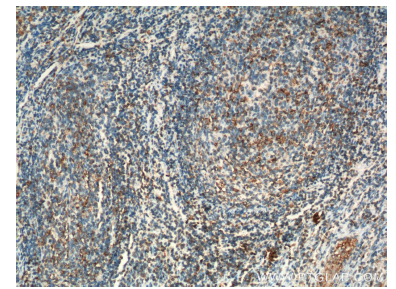
## Données de validation sélectionnées



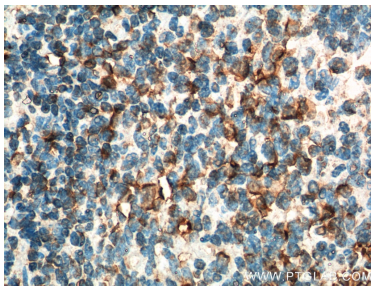
Jurkat cells were subjected to SDS PAGE followed by western blot with 19694-1-AP (INPP5D antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



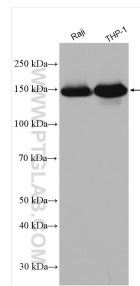
IP result of anti-INPP5D (IP:19694-1-AP, 4ug; Detection:19694-1-AP 1:300) with Ramos cells lysate 3600 ug.



Immunohistochemical analysis of paraffin-embedded 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 paraffin-embedded 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.