

For Research Use Only

# PLS3 Polyclonal antibody

Catalog Number: 12917-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 12917-1-AP	<b>GenBank Accession Number:</b> BC039049	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5358	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:400-1:1600 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P13797	
<b>Isotype:</b> IgG	<b>Full Name:</b> plastin 3 (T isoform)	
<b>Immunogen Catalog Number:</b> AG3574	<b>Calculated MW:</b> 630 aa, 71 kDa	
	<b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IP, ELISA	<b>Positive Controls:</b> WB : A431 cells, HEK-293 cells, HeLa cells, HepG2 cells, NIH/3T3 cells IP : A431 cells, IHC : human skin cancer tissue, IF/ICC : A431 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

PLS3, also named T-plastin and Plastin-3, is an actin-bundling protein found in intestinal microvilli, hair cell stereocilia, and fibroblast filopodia. It plays an important role in leukocyte function. L-plastin plays an important role in leukocyte function, and T-plastin is possibly involved in DNA repair. Both T- and L-plastin are implicated in several diseases, and L-plastin is considered to be a valuable marker for cancer (PMID: 15960882).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jasmin Morandell	34031387	Nat Commun	WB

## Storage

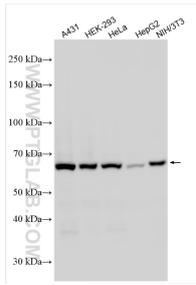
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

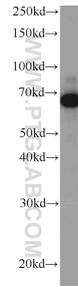
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

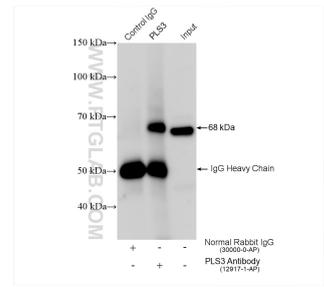
## Selected Validation Data



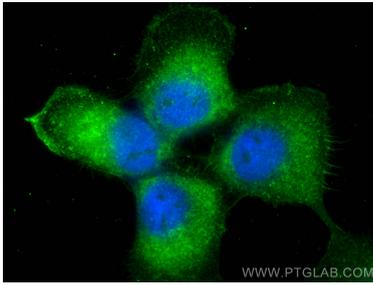
Various lysates were subjected to SDS PAGE followed by western blot with 12917-1-AP (PLS3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



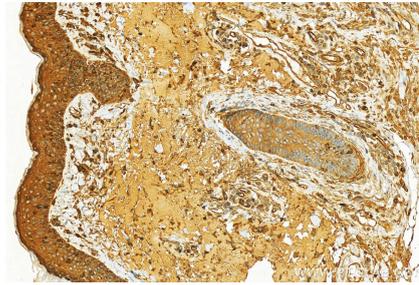
A431 cells were subjected to SDS PAGE followed by western blot with 12917-1-AP (PLS3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



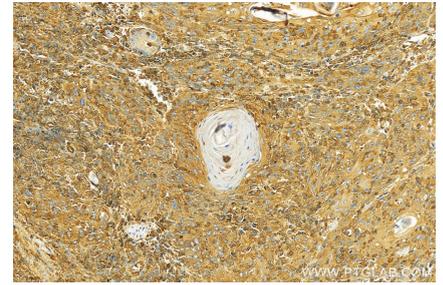
IP result of anti-PLS3 (IP:12917-1-AP, 4ug; Detection:12917-1-AP 1:500) with A431 cells lysate 2640 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using PLS3 antibody (12917-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 12917-1-AP (PLS3 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 12917-1-AP (PLS3 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).