

For Research Use Only

# PLS3 Polyclonal antibody

Catalog Number: 55216-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 55216-1-AP	<b>GenBank Accession Number:</b> NM_005032	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop and 460 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5358	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> plastin 3 (T isoform)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 71 kDa	
	<b>Observed MW:</b> 63 kDa, 38 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
IHC, WB

**Species Specificity:**  
human, mouse, rat

**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**

**Positive Controls:**

**WB :** HepG2 cells, COLO 320 cells, HeLa cells

**IHC :** human oesophagus tissue, human skeletal muscle tissue

## Background Information

PLS3, also named as 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. Both T- and L-plastin are implicated in several diseases, L-plastin is considered to be a valuable marker for cancer. (PMID: 15960882) This antibody is specific to PLS3

## Notable Publications

Author	Pubmed ID	Journal	Application
Hye Kyeong Kwon	30048702	Biochim Biophys Acta	WB
Zechang Xin	32239705	J Cell Physiol	WB, IHC
Dongtao Wang	37347555	Environ Toxicol	WB, IHC

## Storage

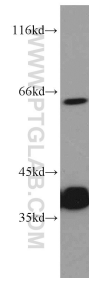
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

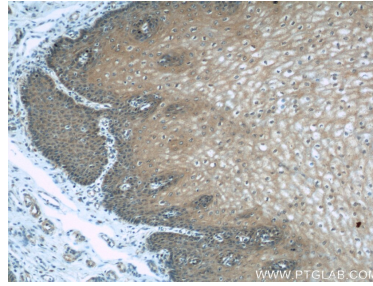
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

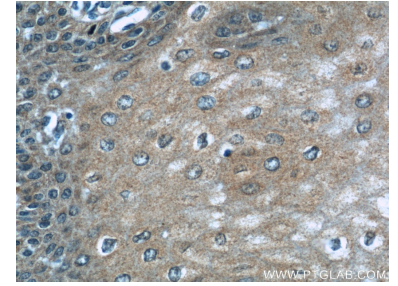
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 55216-1-AP (PLS3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human oesophagus using 55216-1-AP (PLS3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human oesophagus using 55216-1-AP (PLS3 antibody) at dilution of 1:50 (under 40x lens).