

For Research Use Only

# Profilin 1 Polyclonal antibody

Catalog Number: 11680-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 11680-1-AP	<b>GenBank Accession Number:</b> BC006768	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 373 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5216	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> profilin 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 140 aa, 15 kDa	
<b>Immunogen Catalog Number:</b> AG2286	<b>Observed MW:</b> 15 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : human brain tissue, HeLa cells, Jurkat cells, NIH/3T3 cells IHC : human colon cancer tissue,
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Profilin-1 (PFN1) plays an important role in the control of actin dynamics, and could represent an important therapeutic target in several diseases. PFN1 is identified as a huntingtin aggregation inhibitor, and may serve as a tumor-suppressor. PFN1 is crucial for the conversion of monomeric (G)-actin to filamentous (F)-actin. Amyotrophic lateral sclerosis (ALS) is a late-onset neurodegenerative disorder resulting from motor neuron death. Cells expressing PFN1 mutants contain ubiquitinated, insoluble aggregates that in many cases contain the ALS-associated protein TDP-43. Recently, PFN1 is a potential biomarker for bladder cancer aggressiveness and may be of great clinical importance.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bo Ma	30235220	PLoS One	WB
Yu Lian	30326930	J Exp Clin Cancer Res	WB
Dayun Yang	24818882	Biomaterials	WB

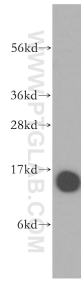
## Storage

**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

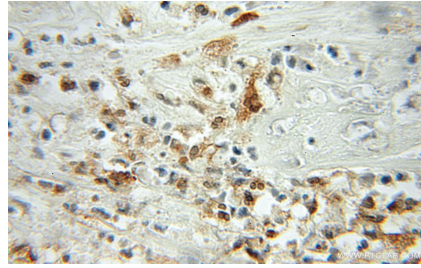
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 11680-1-AP (Profilin 1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11680-1-AP (Profilin 1 antibody) at dilution of 1:50 (under 10x lens).