

# CoraLite® Plus 488-conjugated Profilin 1 Monoclonal antibody

Catalog Number: **CL488-67390**

## Basic Information

<b>Catalog Number:</b> CL488-67390	<b>GenBank Accession Number:</b> BC006768	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5216	<b>CloneNo.:</b> 3A12E8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P07737	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> profilin 1	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG29206	<b>Calculated MW:</b> 140 aa, 15 kDa	
	<b>Observed MW:</b> 13 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> Human, Mouse, Rat	

## 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.

## Storage

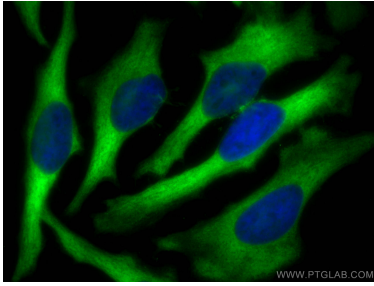
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 Profilin 1 antibody (CL488-67390, Clone: 3A12E8 ) at dilution of 1:200.