

For Research Use Only

Profilin 1 Polyclonal antibody

Catalog Number: 11680-1-AP **6 Publications**



Basic Information

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

Applications

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

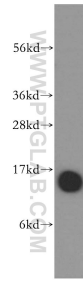
Storage

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

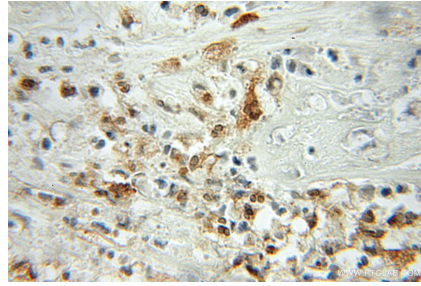
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).