

Profilin 1 Polyclonal Antibody

Catalog number: 11680-1-AP

Size: 56 µg/150 µl

Source: Rabbit

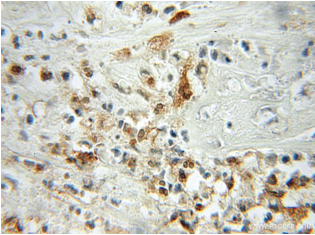
Isotype: IgG

Synonyms:

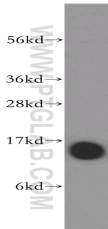
PFN1; Epididymis tissue protein

Li 184a, PFN1, Profilin 1,

Profilin I



Immunohistochemical of paraffin-embedded human colon cancer using 11680-1-AP (PFN1 antibody) at dilution of 1:50 (under 10x lens)



human brain tissue were subjected to SDS PAGE followed by western blot with 11680-1-AP (PFN1 antibody) at dilution of 1:500

Background

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.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated Profilin 1 MW:	140aa, 15 kDa
Observed Profilin 1 MW:	15 kDa
Positive WB detected in	Human brain tissue, HeLa cells, Jurkat cells, NIH/3T3 cells
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:1000-1:10000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2286
GenBank accession number:	BC006768
Gene ID (NCBI):	5216
Full name:	Profilin 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.