

Profilin 1 Recombinant monoclonal antibody

Catalog Number: 88038-1-RR

Basic Information

Catalog Number:

88038-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2286

GenBank Accession Number:

BC006768

GeneID (NCBI):

5216

UNIPROT ID:

P07737

Full Name:

profilin 1

Calculated MW:

140 aa, 15 kDa

Observed MW:

13-15 kDa

Purification Method:

Protein A purification

CloneNo.:

260024B9

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, NIH/3T3 cells, HSC-T6 cells, PC-12 cells

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:

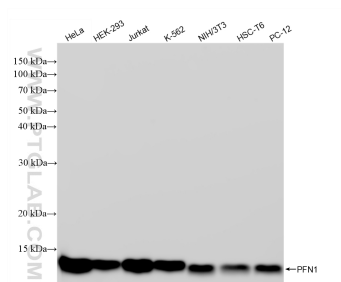
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88038-1-RR (Profilin 1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.