

Datasheet for ABIN3021599  
**anti-PFN1 antibody (AA 1-140)**[Go to Product page](#)

## 2 Images

## Overview

|                      |                       |
|----------------------|-----------------------|
| Quantity:            | 100 µL                |
| Target:              | PFN1                  |
| Binding Specificity: | AA 1-140              |
| Reactivity:          | Human                 |
| Host:                | Rabbit                |
| Clonality:           | Polyclonal            |
| Application:         | Western Blotting (WB) |

## Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human Profilin1 (NP_005013.1).  |
| Sequence:         | MAGWNAYIDN LMADGTCQDA AIVGYKDSPS VWAAVPGKTF VNITPAEVGV LVGKDRSSFY<br>VNGLTLGGQK CSVIRDSLLQ DGEFSMDLRT KSTGGAPT FN VTVTKTDKTL VLLMGKEGVH<br>GGLINKKCYE MASHLRRSQY |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Monkey, Mouse, Rat  |
| Characteristics:  | Polyclonal Antibodies  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | PFN1                                   |
| Alternative Name: | PFN1 ( <a href="#">PFN1 Products</a> ) |

## Target Details

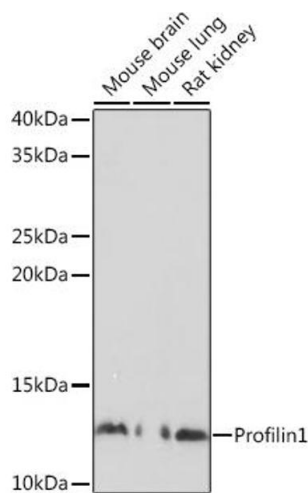
|                   |   |
|-------------------|---|
| Background:       | This gene encodes a member of the profilin family of small actin-binding proteins. The encoded protein plays an important role in actin dynamics by regulating actin polymerization in response to extracellular signals. Deletion of this gene is associated with Miller-Dieker syndrome, and the encoded protein may also play a role in Huntington disease. Multiple pseudogenes of this gene are located on chromosome 1.,PFN1,ALS18,Cancer,Tumor suppressors,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Cell differentiation,Cytoskeleton,Microfilaments,Actins,Neuroscience,Cell Type Marker,Neuron marker,Synapse marker,PFN1 |
| Molecular Weight: | 15 kDa  |
| Gene ID:          | 5216  |
| UniProt:          | <a href="#">P07737</a>  |
| Pathways:         | <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Tube Formation</a> , <a href="#">Maintenance of Protein Location</a>  |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:2000     |
| Restrictions:      | For Research Use only |

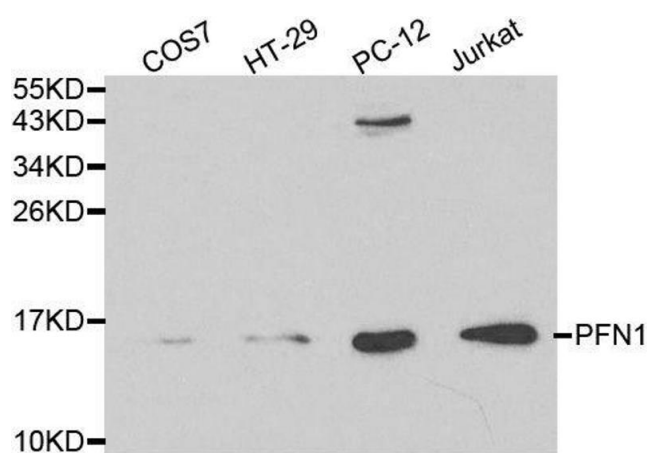
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid freeze / thaw cycles   |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.  |



#### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using Profilin1 Polyclonal Antibody (ABIN3021598, ABIN3021599, ABIN3021600 and ABIN6215334) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



#### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using PFN1 antibody.