

Profilin-1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10232

Specification

Profilin-1 Antibody - Product Information

Application	WB
Primary Accession	P62963
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14957

Profilin-1 Antibody - Additional Information

Gene ID 64303

Positive Control

Jurkat cell lysate, 3T3 cell lysate, rat kidney tissue lysate

Application & Usage

The antibody can be used in Western Blot analysis (1-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide is available separately. Expected band is ~15 kDa.

Other Names

Profilin I, Pfn1, Epididymis tissue protein Li 184a

Target/Specificity

Profilin-1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-Profilin-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Profilin-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Profilin-1 Antibody - Protein Information

Name Pfn1

Function

Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG. Inhibits androgen receptor (AR) and HTT aggregation and binding of G-actin is essential for its inhibition of AR (By similarity).

Cellular Location

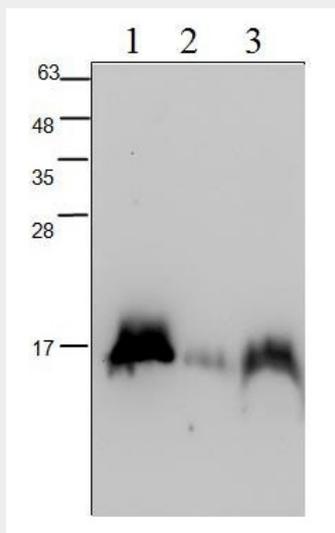
Cytoplasm, cytoskeleton.

Profilin-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Profilin-1 Antibody - Images



Western blot analysis of Profilin 1 using lysate From Jurkat cells (Lane 1), 3T3 cells (Lane 2) and rat kidney tissue lysate (Lane 3).

Profilin-1 Antibody - Background

Profilin is a protein which maintains and shapes cytoskeleton by binding to actin. Profilin 1 has function in breast cancer cell motility, radial migration and glial cell adhesion.