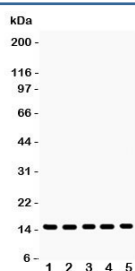


## Profilin-1 Antibody (R31726)

Catalog No.	Formulation	Size
R31726	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	5216
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This Profilin-1 antibody is available for research use only.



Western blot testing of Profilin-1 antibody and Lane 1: rat testis; 2: mouse testis; 3: human placenta; 4: (h) PANC; 5: (h) SW620 lysate. Expected molecular weight ~15 kDa.

## Description

Profilin-1 is a protein that in humans is encoded by the PFN1 gene. The protein encoded by this gene is a ubiquitous actin monomer-binding protein belonging to the profilin family. At high concentrations, Profilin-1 prevents the polymerization of actin, whereas it enhances it at low concentrations. This gene is a 140-amino acid protein and major growth regulator of filamentous (F)-actin through its binding of monomeric (G)-actin. It is thought to regulate actin polymerization in response to extracellular signals. Deletion of this gene is associated with Miller-Dieker syndrome.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Profilin-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human PFN1 (KEGVHGGLINKKCYEMASHLRRSQY) was used as the immunogen for this Profilin-1 antibody (100% homologous in human, mouse and rat).

## Storage

After reconstitution, the Profilin-1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.