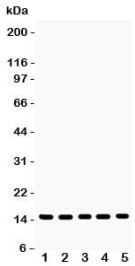
Profilin-1 Antibody (R31726)

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

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	5216
Applications	Western blot: 0.5-1ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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