



Catalog Number: 14496-R010

General Information	
Immunogen:	Recombinant Human Profilin 2 / PFN2 Protein (Catalog#14496-H07E)
Clone ID:	010
Ig Type:	Rabbit IgG
Applications:	WB, ELISA
Specificity:	Human Profilin 2 / PFN2
Formulation:	0.2 µm filtered solution in PBS
Storage:	< -20℃

Preparation

This antibody was obtained from a rabbit immunized with purified, recombinant Human Profilin 2 / PFN2 (rh Profilin 2 / PFN2; Catalog#14496-H07E; AAH18049.1; Met1-Phe140).

Storage

This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. **Preservative-Free.**

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. **Avoid repeated freeze-thaw cycles.**

Background

Profilin 2, also known as PFN2, is a ubiquitous actin monomer-binding protein belonging to the profilin family. It is highly expressed in brain, skeletal muscle and kidney and less strongly in heart, placenta, lung and liver. Profilin 2 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. Profilin 2 is thought to regulate actin polymerization in response to extracellular signals. It inhibits the formation of IP3 and DG by binding to PIP2.

Reference

Da Silva. et al., 2003, J Cell Biol. 162 (7): 1267-79.
Honore B. et al., 1993, FEBS Lett. 330 (2): 151-5.
Joensuu T. et al., 1997, Genomics. 38 (3): 255-63.

Profilin 2 / PFN2 Antibody, Rabbit MAb



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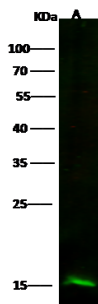
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Applications

Direct ELISA – This antibody can be used at 0.1-0.2 µg/ml with the appropriate secondary reagents to detect Human Profilin 2 / PFN2.

Western blot –

WB: 5-10 µg/ml



Lanes	
Items	A
Sample (whole cell lysate)	NCI-H1299
Sample Volume (µg/lane)	30
Gel	13% SDS-PAGE reducing gel
Recommended Concentration	10 µg/ml
Secondary Antibody	Dylight 800-labeled Antibody To Rabbit IgG (H+L), at 1:5000 dilution.
Developed using Odyssey imaging system.	
Explanation	Predicted band size : 15 kDa Observed band size : 15 kDa

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