

Anti-Profilin 1 (PRF1) [mAbPRF1a]

Catalogue number: 153912

Sub-type: Primary antibody

Images:

Contributor

Inventor: Richard Meager

Institute: University of Georgia

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Profilin 1 (PRF1) [mAbPRF1a]

Alternate name: PRF1

Class: Monoclonal

Conjugate: Unconjugated

Description: Profilin is a low-molecular weight, actin monomer-binding protein that regulates the organization of actin cytoskeleton in eukaryotes. Profilin promotes actin assembly at the barbed end of filaments and causes depolymerization of filaments by binding and sequestering G-actin. Profilin also interacts with several other ligands, such as membrane polyphospho-inositides, short proline rich stretches in proteins, and the Arp 2/3 complex.

Purpose: Marker

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a

Reactivity: Arabidopsis

Selectivity:

Host: Mouse

Immunogen: Purified plant Profilin 1

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Profilin 1

Target alternate names:

Target background: Profilin is a low-molecular weight, actin monomer-binding protein that regulates the organization of actin cytoskeleton in eukaryotes. Profilin promotes actin assembly at the barbed end of filaments and causes depolymerization of filaments by binding and sequestering G-actin. Profilin also interacts with several other ligands, such as membrane polyphospho-inositides, short proline rich stretches in proteins, and the Arp 2/3 complex.

Molecular weight:

Ic50:

Applications

Application: IF ; WB

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Soubra et al. 2016. World J Urol. 34(9):1229-37. PMID: 26847182. ; The diagnostic accuracy of 18F-fluorodeoxyglucose positron emission tomography and computed tomography in staging bladder cancer: a single-institution study and a systematic review with meta-analysis. ; Kandasamy et al. 2010. Cytoskeleton (Hoboken). 67(11):729-43. PMID: 20862689. ; Differential sublocalization of actin variants within the nucleus. ; Kandasamy et al. 2008. Plant Cell Physiol. 49(5):858-63. PMID: 18385164. ; ACTIN-RELATED PROTEIN8 encodes an F-box protein localized to the nucleolus in Arabidopsis. ; Meagher et al. 2005. Plant Physiol. 139(4):1576-85. PMID: 16339804. ; Nuclear actin-related proteins as epigenetic regulators of development. ; Li et al. 2001. Plant Physiol. 127(3):711-9. PMID: 11706154. ; Rapid isolation of monoclonal antibodies. Monitoring enzymes in the phytochelatin synthesis pathway.

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