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Rab29 fast exchange mutants: characterization of a challenging Rab GTPase

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ABSTRACT

Rab29 has been implicated in multiple membrane trafficking processes with no described effectors or regulating proteins. Its fast nucleotide exchange rate and inability to bind GDI in cytosol make it a unique and poorly understood Rab. Because the conventional, "GTP-locked" Rab mutation does not have the desired effect in Rab29, we present here the use of a fluorescence-based assay to characterize novel mutants that display faster nucleotide exchange rates, allowing for GEF-independent Rab29 activation.

THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

Rab GTPases: Methods and Protocols, Second Edition, Guangpu Li, Editor; Springer

ATTACHMENTS

[Gomez, Vides and PfefferREVISED.pdf](#)



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