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Rab family of small GTPases: an updated view on their regulation and functions

Yuta Homma, Shu Hiragi, Mitsunori Fukuda

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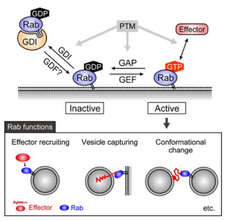

The Rab family of small GTPases regulates intracellular membrane trafficking by localizing on specific organelles (or vesicles) and recruiting various effector proteins to facilitate each step of membrane trafficking. In this review article, we provide the most up-to-date and comprehensive lists of guanine nucleotide exchange factors, GTPase-activating proteins, effectors, and knockout phenotypes of mammalian Rabs and discuss recent findings in regard to their regulation and functions.

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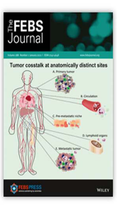

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