

# Exocytosis

An exocytosis is a form of active transport and bulk transport in which a cell transports molecules out of the cell by secreting them through an energy-dependent process.

[Ischemic stroke](#) triggers a cascade of events that facilitates [neuroprotection](#) and spontaneous [recovery](#), which accounts for a major part of [functional recovery](#). Despite the cellular and molecular facilitations on neural protection, the molecular mechanisms of [spontaneous recovery](#) have not been fully understood. Ca<sup>2+</sup>-dependent activator protein for secretion 1 (CAPS1), a member of the CAPS family, plays a major role in synaptic transmission and synaptic effectiveness by regulating [vesicle exocytosis](#).

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Last update: **2024/06/07 02:59**

