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jbc.org: STIM1/ORAI1-mediated Ca Influx Regulates Enolase-1 Exteriorization

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Background: Cell surface-associated enolase-1 regulates plasmin formation and thus pericellular proteolysis.

Results: STIM1/ORAI1-mediated Ca²⁺ influx controls enolase-1 exteriorization in cancer cells.

Conclusion: Extracellular enolase-1 regulates migratory and invasive properties of cancer cells.

Significance: Enhanced exteriorization of enolase-1 may aggravate the malignant behavior of cancer cells and thus contribute to metastasis formation.

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