

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

cytoself

RRID:SCR_021869

Type: Tool

Proper Citation

cytoself (RRID:SCR_021869)

Resource Information

URL: <https://github.com/royerlab/cytoself>

Proper Citation: cytoself (RRID:SCR_021869)

Description: Software tool for deep learning based approach for fully self supervised protein localization profiling and clustering. Leverages self supervised training scheme that does not require pre existing knowledge, categories, or annotations. Used for encoding protein localization patterns from microscopy images.

Resource Type: software resource

Defining Citation: [DOI:10.1101/2021.03.29.437595](https://doi.org/10.1101/2021.03.29.437595)

Keywords: Self supervised models, protein localization profiling and clustering, encoding protein localization patterns, microscopy images

Availability: Free, Available for download, Freely available

Resource Name: cytoself

Resource ID: SCR_021869

License: BSD 3-Clause "New" or "Revised" License

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260829T182719+0000

Ratings and Alerts

No rating or validation information has been found for cytoself.

No alerts have been found for cytoself.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Schaffer LV, et al. (2025) Unifying proteomic technologies with ProteinProjector. Bioinformatics advances, 5(1), vba266.

Kobayashi H, et al. (2022) Self-supervised deep learning encodes high-resolution features of protein subcellular localization. Nature methods, 19(8), 995.