# **Resource Summary Report**

Generated by dkNET on Apr 19, 2025

# 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

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

**Funding:** 

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:** 20250410T071418+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 1 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

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