OCT 16, 2023

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.4r3l27xdxg1y/v1

Protocol Citation: Minghao Chen, Xuefeng Ren 2023. Microscopy-based GSH bead protein-protein interaction assay. **protocols.io** https://dx.doi.org/10.17504/protocols.io.4r3l27xdxg1y/v1

Protocol status: Working
We use this protocol and it's working

Created: Jun 05, 2023

Microscopy-based GSH bead protein-protein interaction assay

Minghao Chen[1], Xuefeng Ren[1]

[1]Department of Molecular and Cell Biology, University of California, Berkeley, Berkeley, CA 94720, USA.

ASAP Collaborative Research Network

Minghao Chen

ABSTRACT

Microscopy-based GSH bead protein-protein interaction assay

Last Modified: Oct 16, 2023

PROTOCOL integer ID:
82919

Keywords: ASAPCRN

Funders Acknowledgement:
Aligning Science Across Parkinson's (ASAP) initiative
Grant ID: ASAP-000350

1 Wash pre-blocked glutathione sepharose beads (GE Healthcare) with the reaction buffer (25 mM HEPES at pH 7.5, 150 mM NaCl, 1 mM MgCl2 and 1 mM TCEP) three times.

2 Make a mixture of 1 µM purified GST tagged protein and 500 nM purified fluorescent protein in total 70 µl

3 Incubate at Room temperature for 00:30:00, samples were mixed with additional 100 µL reaction buffer. 30m

4 Transferred to the observation chamber for imaging.

5 Acquire images on a Nikon A1 confocal microscope with a Nikon Plan APO VC 20x/0.75 NA UV Microscope Objective.