

Jul 08, 2024

# Phosphoglycerate kinase is a central leverage point in Parkinson's Disease driven neuronal metabolic deficits.

DOI

#### dx.doi.org/10.17504/protocols.io.3byl495nzgo5/v1

Alexandros C Kokotos<sup>1,2</sup>, ama<sup>2,3</sup>, Santiago Unda<sup>2,3</sup>, Myung Soo Ko<sup>1</sup>, Daehun Park<sup>2,4</sup>, David Eliezer<sup>1</sup>, Michael G. Kaplitt<sup>2,3</sup>, Pietro De Camilli<sup>2,5</sup>, Tim Ryan<sup>1,2</sup>

ASAP Collaborative Rese...



#### Alexandros C Kokotos

Weill Cornell Medicine

# OPEN ACCESS



DOI: dx.doi.org/10.17504/protocols.io.3byl495nzgo5/v1

**Collection Citation:** Alexandros C Kokotos, ama, Santiago Unda, Myung Soo Ko, Daehun Park, David Eliezer, Michael G. Kaplitt, Pietro De Camilli, Tim Ryan 2024. Phosphoglycerate kinase is a central leverage point in Parkinson's Disease driven neuronal metabolic deficits.. **protocols.io** <a href="https://dx.doi.org/10.17504/protocols.io.3byl495nzgo5/v1">https://dx.doi.org/10.17504/protocols.io.3byl495nzgo5/v1</a>

**License:** This is an open access collection distributed under the terms of the <u>Creative Commons Attribution License</u>, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

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

Created: July 08, 2024

<sup>&</sup>lt;sup>1</sup>Department of Biochemistry, Weill Cornell Medicine, New York, NY 10065;

<sup>&</sup>lt;sup>2</sup>Aligning Science Across Parkinson's (ASAP) Collaborative Research Network, Chevy Chase, Maryland 20815, USA;

<sup>&</sup>lt;sup>3</sup>Department of Neurosurgery, Weill Cornell Medicine, New York, NY 10065;

<sup>&</sup>lt;sup>4</sup>Department of Medical and Biological Sciences, The Catholic University of Korea, Bucheon, 14662, Korea;

<sup>&</sup>lt;sup>5</sup>Departments of Neuroscience and Cell Biology, Howard Hughes Medical Institute, Program in Cellular Neuroscience, Neurodegeneration and Repair, Yale University School of Medicine, New Haven, Connecticut 06520, USA



Last Modified: July 08, 2024

Collection Integer ID: 103017

Keywords: ASAPCRN

**Funders Acknowledgement:** 

**ASAP** 

Grant ID: 000580

**ASAP** 

Grant ID: 020608

# Abstract

The current collection contains all experimental protocols associated with the study "Phosphoglycerate kinase is a central leverage point in Parkinson's Disease driven neuronal metabolic deficits".



#### **Files**



Q SEARCH

#### **Protocol**



NAME

Immunofluorescence for adherent cells

**VERSION 1** 

**CREATED BY** 



Alexandros C Kokotos View Weill Cornell Medicine

OPEN  $\rightarrow$ 

#### **Protocol**



NAME

Fast rodent genotyping

**VERSION 1** 

**CREATED BY** 



Alexandros C Kokotos Weill Cornell Medicine

OPEN →

#### **Protocol**



Primary hippocampal and cortical neuronal culture and transfection

**VERSION 1** 

**CREATED BY** 



Alexandros C Kokotos View Weill Cornell Medicine

OPEN →

#### **Protocol**



Protocol for Neuronal Live-imaging of primary cultures

**VERSION 1** 

**CREATED BY** 





Camila Pulido Weill Cornell Medicine

#### **Protocol**



NAME

**AAV Craniotomy** 

**VERSION 1** 

**CREATED BY** 



**Eileen Ruth Torres** Filer Weill Cornell Medicine

OPEN →

#### **Protocol**



6-OHDA lesion in medial forebrain bundle

**VERSION 1** 

**CREATED BY** 



**Eileen Ruth Torres** Tiles Weill Cornell Medicine

OPEN →

#### **Protocol**



NAME

**Apomorphine-induced rotations** 

**VERSION 1** 

**CREATED BY** 



**Eileen Ruth Torres** Tiles Weill Cornell Medicine

# **Protocol**



NAME

Immunohistochemistry for brain sections

**VERSION 1** 



**CREATED BY** 



**Eileen Ruth Torres** Filer Weill Cornell Medicine

OPEN →

# **Protocol**



Genetic expression suppressor screen

**VERSION 1** 

CREATED BY



Alexandros C Kokotos Veill Cornell Medicine

OPEN →

# **Protocol**



NAME

vGlutI-pH imaging experiment analysis

**VERSION 1** 

**CREATED BY** 



Alexandros C Kokotos View Weill Cornell Medicine

#### **Protocol**



NAME

Synapto-iATPSnFR2-miRFP670nano3 analysis

**VERSION 1** 

**CREATED BY** 



Alexandros C Kokotos Weill Cornell Medicine

OPEN →