

## Product Datasheet

## Anti-Pink1 PTEN Induced Putative Kinase 1 Antibody FL650 Conjugate



## Overview

|                           |                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Catalog #</b>          | 75-061-FL650                                                                                                     |
| <b>Conjugate</b>          | FL650 Ex: 655 nm, Em: 676 nm                                                                                     |
| <b>Isotype</b>            | IgG1                                                                                                             |
| <b>Clone Number</b>       | N4/49                                                                                                            |
| <b>Size</b>               | 200 µL                                                                                                           |
| <b>Concentration</b>      | 0.5 mg/mL                                                                                                        |
| <b>Host Species</b>       | Mouse Monoclonal                                                                                                 |
| <b>Format</b>             | Purified by Protein A chromatography                                                                             |
| <b>Buffer</b>             | PBS with 0.09% azide                                                                                             |
| <b>Applications</b>       | ICC, IHC                                                                                                         |
| <b>Species Reactivity</b> | Human                                                                                                            |
| <b>Immunogen</b>          | Fusion protein amino acids 112-496 of human Pink1 (accession number NP_115785) produced recombinantly in E. Coli |
| <b>Molecular Weight</b>   | 63 kDa                                                                                                           |
| <b>Cite this Antibody</b> | Antibodies Inc Cat# 75-061-FL650, RRID: AB_2939263                                                               |

## Details

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target Description</b>    | PTEN Induced Kinase 1 is encoded by the gene PINK1. PINK1 is a member of the protein kinase superfamily, Ser/Thr protein kinase family. PINK1 is a serine/threonine protein kinase that protects against mitochondrial dysfunction during cellular stress by phosphorylating mitochondrial proteins. PINK1 is highly expressed in the heart, skeletal muscle, and testis. Diseases associated with PINK1 include Parkinson Disease 6, Autosomal Recessive Early-Onset and Parkinson Disease 2, Autosomal Recessive Juvenile. |
| <b>Specificity</b>           | No cross-reactivity reported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification Method</b>   | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.                                                                                                                                                                                                                                                                                                                                           |
| <b>Quality Control Tests</b> | Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.                                                                                                                                                                                                                                                                                                                                                                               |

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

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