

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PINK1 in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 420920
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PINK1 Met1-Leu581 Accession # ABM87645
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

PTEN-induced putative kinase 1 (PINK1) is a ubiquitous protein with highest levels in heart, skeletal muscle, and testis, and with lower expression in other tissues, including brain. PINK1 contains a mitochondrial targeting motif and a highly conserved protein kinase domain with strong homology to serine/threonine kinases of the calcium/calmodulin family. Mutations in the *Pink1* gene have been identified as a cause of autosomal recessive early-onset parkinsonism.

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