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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PINK1 (E417G Mutant). Rabbit Antigen Immunoaffinity Purified Polyclonal

PTEN-induced putative kinase protein 1

Background

Protects against mitochondrial dysfunction during cellular stress, potentially by phosphorylating mitochondrial proteins. Involved in the clearance of damaged mitochondria via selective autophagy (mitophagy). It is necessary for PARK2 recruitment to dysfunctional mitochondria to initiate their degradation. Defects in PINK1 are the cause of Parkinson disease type 6 (PARK6). A neurodegenerative disorder characterized by parkinsonian signs such as rigidity, resting tremor and bradykinesia. A subset of patients manifest additional symptoms including hyperreflexia, autonomic instability, dementia and psychiatric disturbances. Symptoms show diurnal fluctuation and can improve after sleep.

Ordering Information

Catalog Number
X2763P

Size
100 µg

Form
Affinity Purified

Host/Clone
Rabbit

Formulation
Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration
See vial for concentration

Isotype
IgG

Applications
Western blot, Immunohistochemistry, EIA

Species Reactivity
Human

Accession Number
Q9BXM7, Human

Immunogen

Synthetic peptide derived from a mutant form of the human PINK1 protein

Positive Control/Tissue Expression

Comments

Optimal concentration should be evaluated by serial dilutions.

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PURIFICATION

Antigen Immunoaffiinity Purification

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Matsuda, N., et al. 'PINK1 stabilized by mitochondrial depolarization recruits Parkin to damaged mitochondria and activates latent Parkin for mitophagy.' J. Cell. Biol., 189, 211-221 (2010)

2. Vives-Bauza, C., et al. 'PINK1-dependent recruitment of Parkin to mitochondria in mitophagy.' Proc. Natl. Acad. Sci. USA, 107, 378-383 (2010)

3. Valente, E.M., et al. 'PINK1 mutations are associated with sporadic early-onset parkinsonism.' Ann. Neurol., 56, 336 -341 (2004)

4. Geisler, S., et al. 'The PINK1/Parkin-mediated mitophagy is compromised by PD-associated mutations.' Autophagy, 6, 871-878 (2010)

5. Valente, E.M., et al. 'Hereditary early-onset Parkinson's disease caused by mutations in PINK1.' Science, 304, 1158 -1160 (2004)

6. Silvestri, L., et al. 'Mitochondrial import and enzymatic activity of PINK1 mutants associated to recessive parkinsonism.' Hum. Mol. Genet., 14, 3477-3492 (2005)

PRODUCT SPECIFIC REFERENCES

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