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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PINK1 (E417G Mutant) Blocking Peptide

BACKGROUND

This peptide is the immunogen used to make Cat # X2763P.

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

X2778B

SIZE

50 μ g

CUSTOMER STORAGE

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

FORMULATION

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

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STABILITY

Products are stable for one year from purchase when stored properly

COMMENTS

Optimal concentration should be evaluated by serial dilutions.

INSTRUCTIONS

Use: Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37°C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Example: 10 μ l or 10 μ g of Exalalpha's rabbit anti-PINK1 (E417G) (Cat. No. X2763P) is added to 10 μ g of blocking peptide for a total volume of 20 μ l. The mixture is allowed to incubate for 20 minutes at 37°C prior to dilution in suitable buffer (for Western blot, etc.).