

Anti-PINK1 (PTEN-induced kinase) Antibody

ORDERING INFORMATION

Catalog No.: 28116

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Mutations in the PTEN-induced kinase (PINK1) gene, which is located within the PARK6 locus on chromosome 1p35-p36, have recently been identified in patients with recessive early onset Parkinson's disease. Data suggest that PINK1 may be the second most common causative gene next to parkin in parkinsonism with the recessive mode of inheritance.

BACKGROUND REFERENCES

Beilina, A et al. (2005) Proc Natl Acad Sci USA 102: 5703-08.

Valente, EM et al. (2004) Science 304: 1158-60.

Rogaeva, E et al. (2004) Arch Neurol 61: 1898-1904.

Hatano, Y et al. (2004) Ann Neurol 56: 424-27.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

SPECIFICATION SUMMARY

Immunogen: Synthetic peptide corresponding to amino acids 258-274 (YRKSKRGPKQLAPHPNI) of human PINK1 conjugated to KLH.

Host Species: Rabbit

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human PINK1.

APPLICATIONS

Immunoblotting: use at 1:500 dilution. A band of approximately 62-63 kDa is detected.

Positive control: transfected cell lines.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.