

Anti-PARK7 (DJ-1) Antibody

ORDERING INFORMATION

Catalog No.: 28110

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

BACKGROUND

PARK7 is one of four chromosomal loci (PARK2, PARK6, PARK7 and PARK9) known to be associated with autosomal recessive, early onset parkinsonism. Positional cloning within the refined PARK7 critical region recently identified mutations in the DJ-1 gene in PARK7-linked families. Mutations in the PARK7/DJ-1 gene cause autosomal-recessive Parkinsons disease.

SPECIFICATION SUMMARY

Immunogen: Synthetic peptide corresponding to amino acids 167-189 (AIVEALNGKEVAAQVKAPLVLKD) of human PARK7 conjugated to KLH at the N-terminus.

Host Species: Rabbit

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human and mouse PARK7 (DJ-1). Sequence homology to mouse and rat DJ-1 is 82%.

APPLICATIONS

Immunoblotting : use at 1:500 dilution. A band of approximately 19 kDa is detected.

Positive control: HEK293 cell lysate or mouse brain tissue lysate.

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.

BACKGROUND REFERENCES

- Bandmann, O (2004) Neurology 62:357-3588.
Hedrich, K et al. (2004) Neurology 62: 389-94.
Bandopadhyay, R et al. (2004) Brain 127:420-30.
Bonifati V et al. (2003) Neurol Sci 24:159-60.

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