Anti-PARK7 (DJ-1)
Produced in rabbit, Affinity Isolated Antibody

Product Number  P 9373

Product Description
Anti-PARK7 (DJ-1 protein) is produced in rabbit using as immunogen a peptide corresponding to the human PARK7 (DJ-1) protein (amino acids 167-189). This sequence has 82% homology with mouse and rat PARK7 (DJ-1). The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-PARK7 (DJ-1 protein) reacts with amino acid residues 167-189 (AIVEALNGKEVAAQVKAPLVLKD) of human PARK7 (DJ-1). The antibody also detects PARK7 (DJ-1) in mouse brain. The antibody may be used in immunoblotting (~20 kDa).

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

Reagent
The antibody is supplied as a solution of ~1 mg/mL in phosphate buffered saline containing 0.02% sodium azide.

Precautions and Disclaimer
Due to the sodium azide content a material safety sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

Storage/Stability
Store at −20 °C. The product may be stored at 2-8 °C for up to three months. For prolonged storage, freeze in working aliquots at −20 °C. Avoid repeated freezing and thawing. Do not store in a “frost-free” freezer.

Product Profile
For immunoblotting, a working antibody dilution of 1:500-1:1,000 is recommended.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining optimal working dilutions by titration.

References

KAA 11/05