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Human DJ-1/PARK7 antibody

Catalog Number: ADJ0618

PRODUCT INFORMATION

Catalog number
ADJ0618

Clone No.
1B11

Product type
Monoclonal Antibody

UnitProt No.
Q99497

NCBI Accession No.
NP_009193

Alternative Names
Parkinson disease protein 7, Parkinsonism associated deglycase, parkinson protein 7, Parkinson disease autosomal recessive early onset 7, Maillard deglycase, Oncogene DJ1, Protein DJ-1, DJ-1, DJ1, GATD2, Protein/nucleic acid deglycase DJ-1

PRODUCT SPECIFICATION

Antibody Host
Mouse

Reacts With
Human

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen
Recombinant human Park7/DJ-1 (1-189 aa) purified from E. coli

Isotype
IgG1 kappa

Purification Note
By protein-G affinity chromatography

Application
ELISA, WB

Usage
The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

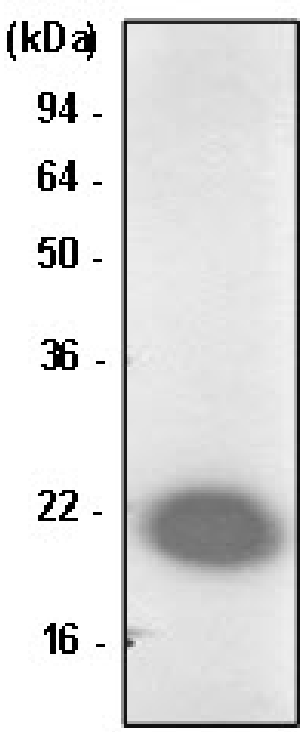
Park7/DJ-1, which is a small 189 amino acid protein, is a ubiquitously expressed protein involved in various cellular processes including spermatogenesis and fertilization, cancer, RNA-binding, androgen-receptor signaling and oxidative stress. Mutations in the Park7/DJ-1 are the cause of autosomal recessive early-onset Parkinson's disease 7 (Park7).

General References

Meulener MC. et al (2005) J. Neurochem. 93, 1524-1532.
Bonifati V. et al (2003) Science. 299, 256-259.
Zhou W. et al (2005) J. Biol. Chem. 280, 43150-43158.
Junn E. et al (2005) PNAS. 102, 9691-9696.

DATA

Western blot analysis (WB)



The cell lysate of Jurkat was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Park7/DJ-1 antibody (1:1000). Protein was visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.