Recombinant PARK7/DJ-1 Monoclonal Antibody

catalog number: AN300257P

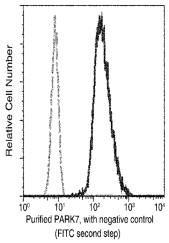
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

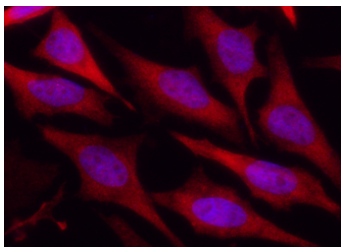
Reactivity	Human
Immunogen	Recombinant Human PARK7 / DJ-1 protein
Host	Rabbit
Isotype	IgG
Clone	11A6
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:1000-1:5000
FCM	1:25-1:100
ICC/IF	1:20-1:100
IP	1-4 μL/mg of lysate

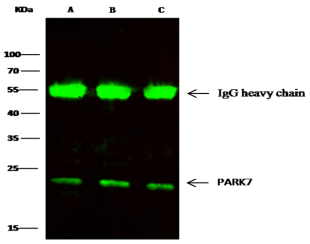
Data

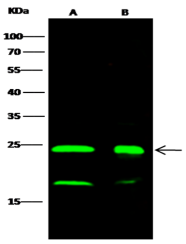


Flow cytometric analysis of Human PARK7 expression on HeLa cells. The cells were stained with purified anti-Human PARK7, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of Human PARK7 in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PARK7 Monoclonal Antibody (1:60) at 37℃ 1 hour. Then cells were stained with the Alexa Fluor® 594-conjugated Goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI for nuclear staining (blue). Positive staining was localized to cytoplasm.





Immunoprecipitation analysis using 2 µL anti-PARK7 Monoclonal Antibody and 15 µl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using PARK7 Monoclonal Antibody at a dilution of 1:1000. Lane A:0.5 mg Jurkat Whole Cell Lysate, Lane B:0.5 mg Hela Whole Cell Lysate, Lane C:0.5 mg 293T Whole Cell Lysate

Observed-MW:20 kDa

Calculated-MW:20 kDa

Western Blot with PARK7 / DJ-1 Monoclonal Antibody at dilution of 1:1000. Lane A: Hela Whole Cell Lysate, Lane B: Jurkat Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:20 kDa

Calculated-MW:20 kDa

Preparation & Storage

Storage	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 4. Two transcript variants encoding the same protein have been identified for this gene.

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