

Product datasheet for **AM50077PU-N**

PARK7 Mouse Monoclonal Antibody [Clone ID: AT1E12]

Product data:

Product Type: Primary Antibodies

Clone Name: AT1E12

Applications: ELISA, FC, IF, WB

Recommended Dilution: **ELISA.**
Flow Cytometry.
Immunocytochemistry/Immunofluorescence .
Western blot / Immunoblot.

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000.

Reactivity: Human

Host: Mouse

Isotype: IgG2b

Clonality: Monoclonal

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

Formulation: PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
State: Purified
State: Liquid purified Ig fraction

Concentration: lot specific

Purification: Protein-A affinity chromatography

Conjugation: Unconjugated

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: Parkinsonism associated deglycase

Database Link: [Entrez Gene 11315 Human](#)
[Q99497](#)



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Background:

Parkinson disease (autosomal recessive, early onset) 7, also known as PARK7/DJ-1, has been shown to interact with EFCAB6 and protein inhibitor of activated STAT2. Defects in PARK7 are the cause of autosomal recessive early-onset Parkinson's disease 7. This protein 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.

Synonyms:

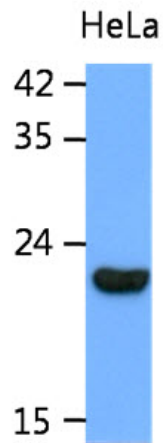
Oncogene DJ1, Parkinson disease protein 7

Protein Families:

Druggable Genome, Protease

Protein Pathways:

Parkinson's disease

Product images:

The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PARK7 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.