

Anti-PARK7/DJ1 Antibody Picoband® Biotin Conjugated

Catalog Number: A00757-2-Biotin

About PARK7

Parkinson disease (autosomal recessive, early onset) 7, also known as DJ1, is a protein which in humans is encoded by the PARK7 gene. PARK7 belongs to the peptidase C56 family of proteins. PARK7 is mapped to chromosome 1p36. It acts as a positive regulator of androgen receptor-dependent transcription. It is also involved in tumorigenesis and in maintaining mitochondrial homeostasis. This gene 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. It has been found that PARK7 mutations that impair transcriptional coactivator function can render dopaminergic neurons vulnerable to apoptosis and may contribute to the pathogenesis of Parkinson disease.

Overview

Product Name	Anti-PARK7/DJ1 Antibody Picoband® Biotin Conjugated
Reactive Species	Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O88767

Technical Details

Immunogen	E. coli-derived rat PARK7 / DJ1 recombinant protein (Position: A2-D189).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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