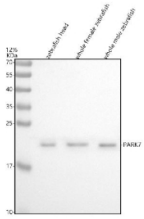
Zebrafish DJ-1 Antibody / PARK7 (RZ1043)

Catalog No.	Formulation	Size
RZ1043	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q5XJ36
Applications	Western Blot : 0.5-1 ug/ml
Limitations	This Zebrafish DJ-1 antibody is available for research use only.



Western blot analysis of DJ-1/PARK7 protein using Zebrafish DJ-1 antibody and 1) zebrafish head, 2) whole female zebrafish and 3) whole male zebrafish tissue lysate. Expected molecular weight ~20 kDa.

Description

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 foroxidative 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.

Application Notes

Optimal dilution of the Zebrafish DJ-1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish DJ-1/PARK7 recombinant protein (amino acids M1-D189) was used as the immunogen for the Zebrafish DJ-1 antibody.

Storage

After reconstitution, the Zebrafish DJ-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.