

Datasheet for ABIN1881625
anti-PARK7/DJ1 antibody (C-Term)



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Overview

Quantity:	400 µL
Target:	PARK7/DJ1 (PARK7)
Binding Specificity:	AA 120-149, C-Term
Reactivity:	Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PARK7/DJ1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DANRE park7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 120-149 amino acids from the C-terminal region of DANRE park7.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PARK7/DJ1 (PARK7)
Alternative Name:	park7 (PARK7 Products)
Background:	Protects cells against oxidative stress and cell death. May act as an atypical peroxiredoxin-like peroxidase that scavenges hydrogen peroxide. Following removal of a C-terminal peptide, displays protease activity and enhanced cytoprotective action against oxidative stress-induced

Target Details

apoptosis. Binds to a number of mRNAs containing multiple copies of GG or CC motifs and partially inhibits their translation but dissociates following oxidative stress. Required for correct mitochondrial morphology and function and for autophagy of dysfunctional mitochondria. Regulates astrocyte inflammatory responses. Acts as a positive regulator of androgen receptor-dependent transcription. Prevents aggregation of SNCA. Plays a role in fertilization. Has no proteolytic activity. Has cell-growth promoting activity and transforming activity. May function as a redox-sensitive chaperone (By similarity). Protects dopaminergic neurons against cell death arising from oxidative stress and proteasome inhibition, probably by a TP53/p53-dependent mechanism.

Molecular Weight: 19764

NCBI Accession: [NP_001005938](#)

UniProt: [Q5XJ36](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Proton Transport](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

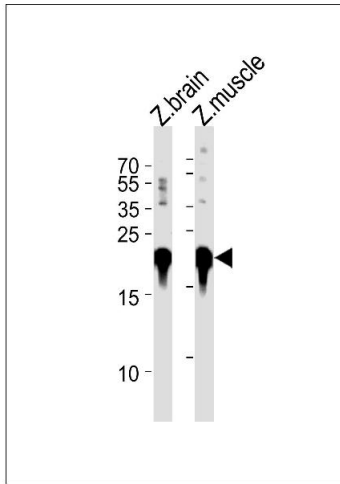
Expiry Date: 6 months

Publications

Product cited in: Bretaud, Allen, Ingham, Bandmann: "p53-dependent neuronal cell death in a DJ-1-deficient zebrafish model of Parkinson's disease." in: **Journal of neurochemistry**, Vol. 100, Issue 6, pp.

1626-35, (2007) ([PubMed](#)).

Bai, Mullett, Garver, Hinkle, Burton: "Zebrafish DJ-1 is evolutionarily conserved and expressed in dopaminergic neurons." in: **Brain research**, Vol. 1113, Issue 1, pp. 33-44, (2006) ([PubMed](#)).



Western Blotting

Image 1. DANRE park7 Antibody (C-term) Azb10028b western blot analysis in zebra fish brain and muscle tissue lysates (35 µg/lane). This demonstrates the DANRE park7 antibody detected the DANRE park7 protein (arrow).