



Rabbit Anti-PARK7 monoclonal antibody, clone TO18-32 (DCABH-5236)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	PARK7/DJ1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO18-32
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	20 kDa
Cellular Localization	Cell membrane, Cytoplasm, Nucleus, Membrane raft, Mitochondrion.
Positive Control	Jurkat, MCF-7, Hela, HepG2, NIH/3T3, human breast tissue, mouse pancreas tissue, human kidney tissue, human pancreas tissue, mouse prostate tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

PARK7/DJ1 is a ubiquitously expressed protein involved in various cellular processes including cell proliferation, RNA-binding, and oxidative stress. The protein has been found to colocalize within a subset of pathologic tau inclusions in a diverse group of neurodegenerative disorders known as tauopathies. Defects in PARK7/DJ1 are the cause of autosomal recessive early-onset Parkinson's disease 7 (PARK7). Parkinson's disease (PD) is a complex, multifactorial disorder that typically manifests after the age of 50 years. The disease is characterized by bradykinesia, resting tremor, muscular rigidity and postural instability. The pathology involves the loss of dopaminergic neurons in the substantia nigra and the presence of Lewy bodies (intraneuronal accumulations of aggregated proteins), in surviving neurons in various areas of the brain. PARK7 is characterized by onset before 40 years and slow progression. It has also been suggested that PARK7/DJ1 is a mitogen dependent oncogene product involved in Ras related signal transduction pathways.

Keywords

CAP1;DJ-1;DJ1;DJ1 protein;Epididymis secretory sperm binding protein Li 67p;FLJ27376;FLJ34360;FLJ92274;HEL S 67p;Oncogene DJ1;OTTHUMP00000001348;OTTHUMP00000001349;OTTHUMP00000001350;OTTHUMP00000001351 disease (autosomal recessive, early onset) 7;Parkinson disease protein 7;Parkinson protein 7;Protein DJ-1;SP22 antibody