

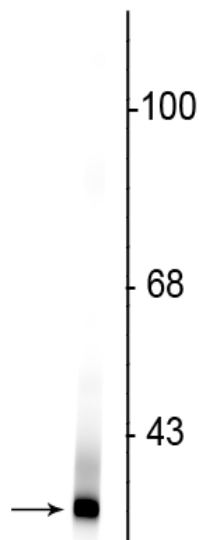
Product Datasheet

Anti-Park7 (DJ-1)

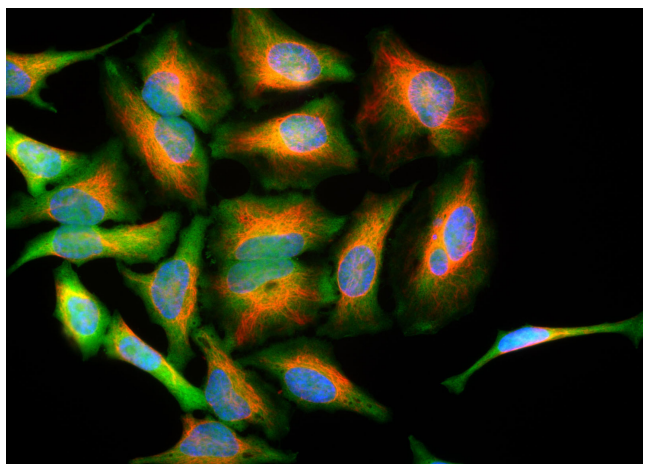
Overview

Catalog #	1597-Park7
Host Species	Mouse Monoclonal
Isotype	IgG ₁
Clone	4H4
Format	Protein G purified culture supernatant
Applications	WB 1:2000 IHC 1:5000 ICC 1:1000-1:5000
Species Tested	Bovine, Human, Mouse, Rat
Immunogen	Full length recombinant human Park7 expressed in and purified from <i>E. coli</i>
Molecular Weight	21 kDa
Cite this Antibody	PhosphoSolutions Cat# 1597-Park7t, RRID:AB_2492201

Images



Western blot of rat kidney lysate showing specific immunolabeling of the ~21 kDa Park7 protein.



Immunofluorescence of HeLa cells stained with Anti-Park7 (cat # 1597-PARK, green, 1:1000) showing strong cytoplasmic staining and Anti-Vimentin (cat # 2105-VIM, red, 1:10,000) labeling cytoplasmic intermediate filaments. The blue is nuclear staining.

Details

Target Description	Park7, also known as DJ-1, is a member of the peptidase C56 family of proteins and is thought to function as a molecular chaperone. Mutations in park7 have been associated with autosomal recessive, early onset Parkinson's disease (Bonifati et al., 2003). Recently, park7 has been shown to inhibit microtubule associated protein 1B aggregation thus leading to neuronal apoptosis (Wang et al., 2011).
Specificity	Specific for endogenous levels of the ~21 kDa Park7 protein.
Production/Purification	Protein G purified culture supernatant.
Quality Control	Western blots performed on each lot.
Buffer	PBS + 10 mM NaN ₃ .
Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 µL/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles.
Stability	After date of receipt, stable for at least 1 year at -20°C.

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