

Product datasheet for **AM32997PU-N**

Park7 Mouse Monoclonal Antibody [Clone ID: 4H4]

Product data:

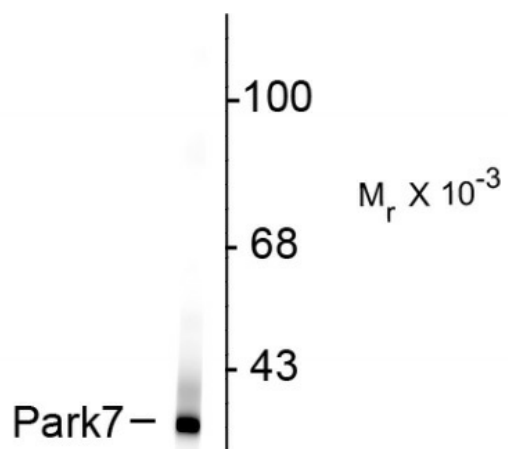
Product Type:	Primary Antibodies
Clone Name:	4H4
Applications:	IF, WB
Recommended Dilution:	Western blotting: 1/2000. Immunofluorescence: 1/500.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length recombinant human park7 expressed in and purified from E. coli.
Specificity:	This antibody is specific for the ~21k park7 protein.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction from Culture Supernatant Preservative: 10 mM Sodium Azide
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Parkinsonism associated deglycase
Database Link:	Entrez Gene 117287 Rat O88767
Background:	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).



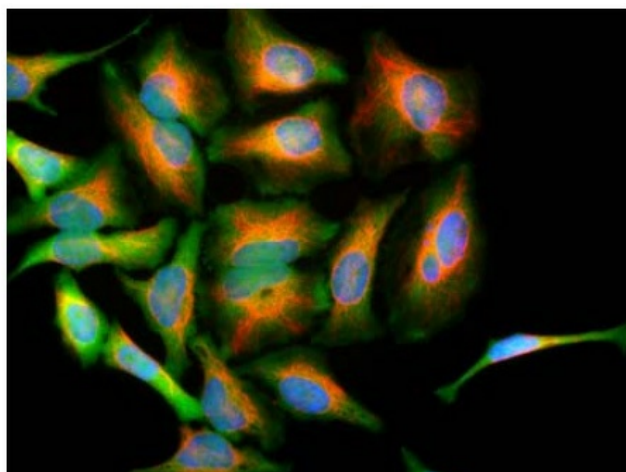
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Synonyms: Oncogene DJ1, Parkinson disease protein 7

Product images:



Western blot of rat kidney lysate showing specific immunolabeling of the ~21k park7 protein.



Immunofluorescence of HeLa cells stained with anti-park7 (green) showing strong cytoplasmic staining and anti-vimentin antibody (red).