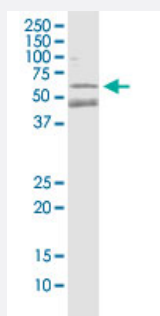


PARK2 monoclonal antibody (M01), clone 1H4

Catalog # H00005071-M01

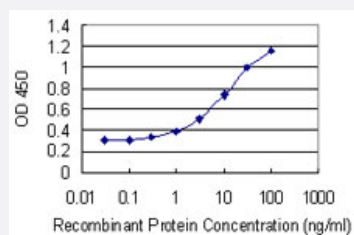
Size 100 ug

Applications



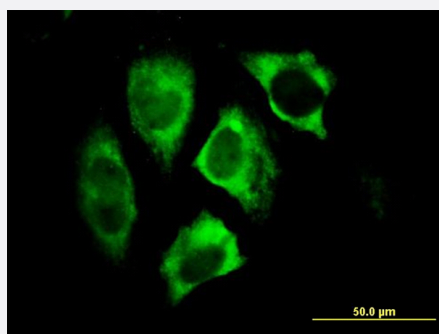
Western Blot (Cell lysate)

PARK2 monoclonal antibody (M01), clone 1H4. Western Blot analysis of PARK2 expression in PC-12.



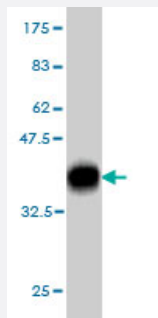
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PARK2 is 0.1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PARK2 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PARK2.
Immunogen	PARK2 (AAH22014, 288 a.a. ~ 387 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PCVGTGDTVVLRGALGGFRRGVAGCPNSLIKELHHFRILGEEQYNRYQQYGAEECVLQMGGVLC PRPGCGAGLLPEPDQRKVTCEGGNGLGCGYGQRRTK
Host	Mouse
Reactivity	Human, Rat
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PARK2 monoclonal antibody (M01), clone 1H4. Western Blot analysis of PARK2 expression in PC-12.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PARK2 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PARK2 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PARK2

Entrez GeneID [5071](#)

GeneBank Accession# [BC022014](#)

Protein Accession# [AAH22014](#)

Gene Name PARK2

Gene Alias AR-JP, LPRS2, PDJ, PRKN

Gene Description Parkinson disease (autosomal recessive, juvenile) 2, parkin

Omim ID [211980 600116 602544 604370 607572](#)

Gene Ontology [Hyperlink](#)

Gene Summary The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause Parkinson disease and autosomal recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transcript variants encoding distinct isoforms. Additional splice variants of this gene have been described but currently lack transcript support. [provided by RefSeq]

Other Designations E3 ubiquitin ligase|OTTHUMP00000017565|OTTHUMP00000017566|OTTHUMP00000017567|parkin|parkin 2

Publication Reference

- [Regional and cellular localisation of Parkin Co-Regulated Gene in developing and adult mouse brain.](#)

Brody KM, Taylor JM, Wilson GR, Delatycki MB, Lockhart PJ.

Brain Research 2008 Jan; 1201:177.

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Choice Behavior](#)
- [Cognition Disorders](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Dystonic Disorders](#)
- [Edema](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)
- [Leprosy](#)
- [Movement Disorders](#)
- [Nerve Degeneration](#)
- [Neuropsychological Tests](#)
- [Paratyphoid Fever](#)
- [Parkinson disease](#)

- [Parkinsonian Disorders](#)
- [Pattern Recognition](#)
- [Reaction Time](#)
- [Supranuclear Palsy](#)
- [Tobacco Use Disorder](#)
- [Tremor](#)
- [Tuberculosis](#)
- [Typhoid Fever](#)