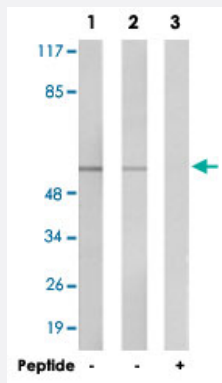


PARK2 polyclonal antibody

Catalog # PAB18204 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells (Lane 1 and 3) and HUVEC cells (Lane 2), using PARK2 polyclonal antibody (Cat # PAB18204). Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PARK2.
Immunogen	A synthetic peptide corresponding to residues surrounding S131 of human PARK2.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to PARK2.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells (Lane 1 and 3) and HUVEC cells (Lane 2), using PARK2 polyclonal antibody (Cat # PAB18204).

Peptide "+" means "peptide blocking".

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PARK2

Entrez GeneID[5071](#)**Protein Accession#**[O60260](#)**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

- [Suppression of Parkin enhances nigrostriatal and motor neuron lesion in mice over-expressing human-mutated tau protein.](#)

Menendez J, Rodriguez-Navarro JA, Solano RM, Casarejos MJ, Rodal I, Guerrero R, Sanchez MP, Avila J, Mena MA, de Yebenes JG.

Human Molecular Genetics 2006 Jul; 15(13):2045.

- [Parkin is recruited into aggresomes in a stress-specific manner: over-expression of parkin reduces aggresome formation but can be dissociated from parkin's effect on neuronal survival.](#)

Muqit MM, Davidson SM, Payne Smith MD, MacCormac LP, Kahns S, Jensen PH, Wood NW, Latchman DS.

Human Molecular Genetics 2004 Jan; 13(1):117.

Application: IF, WB-Tr, Human, SH-SY5Y, SH-SY5Y-human-parkin, SH-SY5Y-K161N-parkin, SH-SY5Y-G328E-parkin cells

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](#)