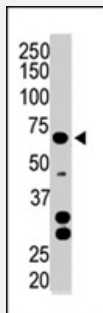


PARK2 polyclonal antibody

Catalog # PAB4480

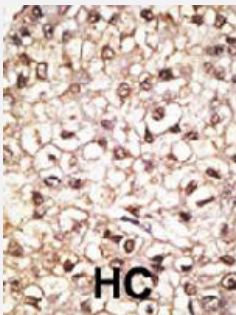
Size 400 uL

Applications



Western Blot (Tissue lysate)

The PARK2 polyclonal antibody (Cat # PAB4480) is used in Western blot to detect PARK2 in mouse kidney tissue lysate .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PARK2 polyclonal antibody (Cat # PAB4480) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . HC = hepatocarcinoma .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PARK2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PARK2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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 (Tissue lysate)

The PARK2 polyclonal antibody (Cat # PAB4480) is used in Western blot to detect PARK2 in mouse kidney tissue lysate .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PARK2 polyclonal antibody (Cat # PAB4480) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . HC = hepatocarcinoma .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PARK2

Entrez GeneID	5071
Protein Accession#	NP_004553.1
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

- [Rapid eye movement sleep behavior disorder in parkinsonism with parkin mutations.](#)

Kumru H, Santamaria J, Tolosa E, Valdeoriola F, Munoz E, Marti MJ, Iranzo A.

Annals of Neurology 2004 Oct; 56(4):599.

- [Mutational analysis of parkin gene by denaturing high-performance liquid chromatography \(DHPLC\) in essential tremor.](#)

Pigullo S, De Luca A, Barone P, Marchese R, Bellone E, Colosimo A, Scaglione C, Martinelli P, Di Maria E, Pizzuti A, Abbruzzese G, Dallapiccola B, Ajmar F, Mandich P.

Parkinsonism & Related Disorders 2004 Aug; 10(6):357.

- [Nitrosative stress linked to sporadic Parkinson's disease: S-nitrosylation of parkin regulates its E3 ubiquitin ligase activity.](#)

Yao D, Gu Z, Nakamura T, Shi ZQ, Ma Y, Gaston B, Palmer LA, Rockenstein EM, Zhang Z, Masliah E, Uehara T, Lipton SA.

PNAS 2004 Jul; 101(29):10810.

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](#)