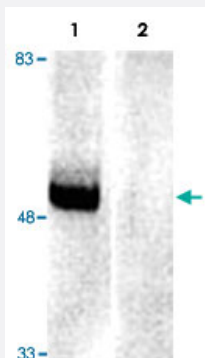


PARK2 polyclonal antibody

Catalog # PAB0714

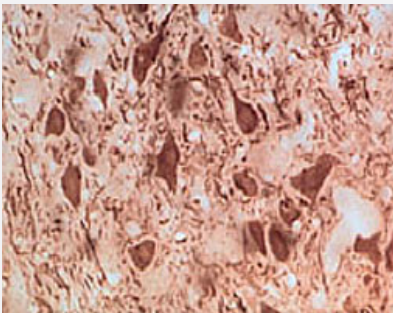
Size 100 uL

Applications



Western Blot (Tissue lysate)

PARK2 immunoreactivity of rat brain extracts and immunoblotted with PARK2 polyclonal antibody (Cat # PAB0714) . Lane 1 : Rat brain extracts. Lane 2 : Rat brain extracts preincubated with PARK2.



Immunohistochemistry

Immunohistochemical staining of PARK2 in rat brainstem using rabbit PARK2 polyclonal antibody (Cat # PAB0714) . Trigeminal motor neurons are intensely stained.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PARK2.
Immunogen	A synthetic peptide (conjugated diphtheria toxoid) corresponding to amino acids 305-323 of human PARK2.
Sequence	RILGEEQYNRYQQYGAEEC
Host	Rabbit
Reactivity	Guinea pig, Human, Rat
Form	Lyophilized

Recommend Usage	ELISA (1:500-1:2000) Immunohistochemistry (1:500-1:2000) Western Blot (1:500-1:2000) The optimal dilution should be determined by the end user.
Storage Buffer	Lyophilized from whole serum.
Storage Instruction	Store at 4°C for short term. For long term storage, store at -20 °C on dry atmosphere. After reconstitution with sterile water, store at -20°C. Centrifuge to remove any insoluble material. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PARK2 immunoreactivity of rat brain extracts and immunoblotted with PARK2 polyclonal antibody (Cat # PAB0714) . Lane 1 : Rat brain extracts. Lane 2 : Rat brain extracts preincubated with PARK2.

- Immunohistochemistry

Immunohistochemical staining of PARK2 in rat brainstem using rabbit PARK2 polyclonal antibody (Cat # PAB0714) . Trigeminal motor neurons are intensely stained.

- 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

- [LDHB inhibition induces mitophagy and facilitates the progression of CSFV infection.](#)

Shuangqi Fan, Keke Wu, Mingqiu Zhao, Jin Yuan, Shengming Ma, Eren Zhu, Yuming Chen, Hongxing Ding, Lin Yi, Jinding Chen.

Autophagy 2020 Sep; 1.

Application: WB-Tr, Pig, 3D4/2, PK-15 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](#)