

Rabbit anti-Human, mouse Parkin Polyclonal Antibody | anti-PARK2 antibody

Parkin Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28668	Rabbit	Human, mouse	Western Blot, ELISA, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry

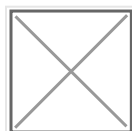
PRODUCT SYNONYMS

Parkin; Polyclonal Antibody; Parkin Antibody (C-term); E3 ubiquitin-protein ligase parkin; 632-; Parkinson juvenile disease protein 2; Parkinson disease protein 2; PARK2; PRKN; anti-PARK2 antibody

PRODUCT SPECIFICATIONS

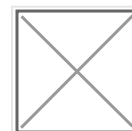
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Parkin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 387-417 amino acids from the C-terminal region of human Parkin.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	387-417
Sequence Length	415
Applicable Applications for anti-PARK2 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Application Notes	WB~~1:1000
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human testis tissue reacted with PARK2 (Parkin) antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohistochemistry)

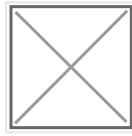
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

**WB (Western Blot)**

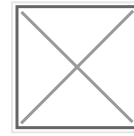
The anti-Parkin (C-term) Pab is used in Western blot to detect Parkin in mouse kidney tissue lysate.

**FCM (Flow Cytometry)**

Parkin Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**IF (Immunofluorescence)**

Confocal immunofluorescent analysis of Parkin Antibody (C-term) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).

**WB (Western Blot)**

Park2 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the Park2 antibody detected the Park2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PARK2 antibody	Parkinson is the second most common neurodegenerative disease after Alzheimers. About 1 percent of people over the age of 65 and 3 percent of people over the age of 75 are affected by the disease. The mutation is the most common cause of Parkinson disease identified to date. The function of Park2 is not well-known; however, it may play a role in the ubiquitin-mediated proteolytic pathway. Mutations in this gene are known to cause autosomal recessive juvenile parkinsonism. Alternative splicing of this gene produces three known products of undetermined function.
Product Categories/Family for anti-PARK2 antibody	Cell Biology ; Metabolism ; Neuroscience ; Signal Transduction
References	Kumru, H., et al., Ann. Neurol. 56(4):599-603 (2004). Pigullo, S., et al., Parkinsonism Relat. Disord. 10(6):357-362 (2004). Yao, D., et al., Proc. Natl. Acad. Sci. U.S.A. 101(29):10810-10814 (2004). West, A.B., et al., J. Biol. Chem. 279(28):28896-28902 (2004). Wang, F., et al., Genes Chromosomes Cancer 40(2):85-96 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	169790969
NCBI GeneID	5071
NCBI Accession #	NP_004553.2 ; NP_054642.2 ; NP_054643.2
NCBI GenBank Nucleotide #	NM_004562.2
UniProt Accession #	O60260 ; Q5TFV8 ; Q5VVX4 ; Q6Q2I6 ; Q8NI41 ; Q8NI43 ; Q8NI44 ; Q8WW07 ; A3FG77 ; A8K975 ; D3JZW7 ; D3K2X0
Molecular Weight	51641
NCBI Official Full Name	E3 ubiquitin-protein ligase parkin isoform 1
NCBI Official Synonym Full Names	parkin RBR E3 ubiquitin protein ligase
NCBI Official Symbol	PARK2
NCBI Official Synonym Symbols	PDJ; PRKN; AR-JP; LPRS2
NCBI Protein Information	E3 ubiquitin-protein ligase parkin
UniProt Protein Name	E3 ubiquitin-protein ligase parkin
UniProt Gene Name	PARK2
UniProt Synonym Gene Names	PRKN; Parkin; Parkinson disease protein 2
UniProt Entry Name	PRKN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/parkin-antibody-western-blot-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/28668>