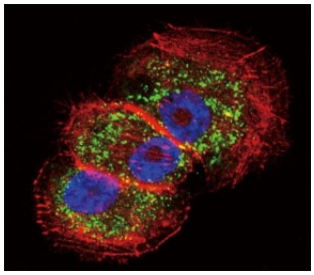
Parkin Antibody / PARK2 (F49621)

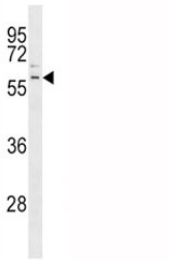
Catalog No.	Formulation	Size
F49621-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49621-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

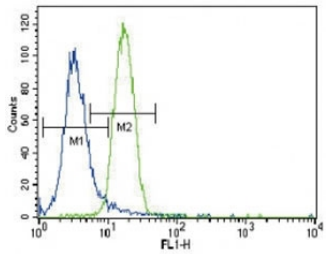
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O60260
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50 IHC (Paraffin) : 1:50-1:100
Limitations	This Parkin antibody is available for research use only.



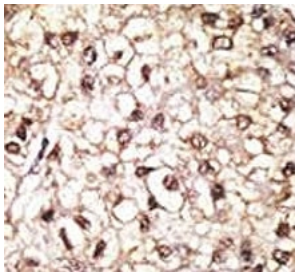
Confocal immunofluorescent analysis of Parkin antibody with NCI-H460 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (blue).



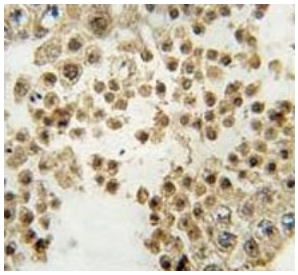
Parkin antibody western blot analysis in K562 lysate. Expected molecular weight: 50-60 kDa with multiple smaller isoforms.



Parkin antibody flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



IHC analysis of FFPE human hepatocarcinoma tissue stained with the Parkin antibody



IHC analysis of FFPE human testis tissue stained with Parkin antibody

Description

Parkin possibly plays a role in the regulation of neuron death. Limits the production of reactive oxygen species (ROS). Regulates cyclin-E during neuronal apoptosis. In collaboration with CHPF isoform 2, may enhance cell viability and protect cells from oxidative stress. Independently of its ubiquitin ligase activity, protects from apoptosis by the transcriptional repression of p53/TP53. May protect neurons against alpha synuclein toxicity, proteasomal dysfunction, GPR37 accumulation, and kainate-induced excitotoxicity. May play a role in controlling neurotransmitter trafficking at the presynaptic terminal and in calcium-dependent exocytosis. May represent a tumor suppressor gene. [UniProt]

Application Notes

Titration of the Parkin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 387-417 from the human protein was used as the immunogen for this Parkin antibody.

Storage

Aliquot the Parkin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.