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PARK2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PARK2.
Catalog # AT3182a

Product Information

Application	WB, IF, E
Primary Accession	O60260
Other Accession	BC022014
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG3 Kappa
Clone Names	1H4
Calculated MW	51641

Additional Information

Gene ID	5071
Other Names	E3 ubiquitin-protein ligase parkin, 632-, Parkinson juvenile disease protein 2, Parkinson disease protein 2, PARK2, PRKN
Target/Specificity	PARK2 (AAH22014, 288 a.a. ~ 387 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PARK2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

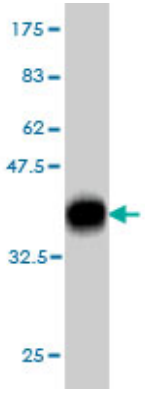
The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause Parkinson disease and autosomal recessive juvenile 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.

References

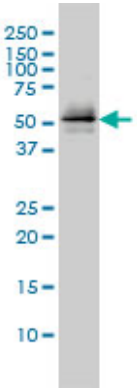
1.Regional and cellular localisation of Parkin Co-Regulated Gene in developing and adult mouse brain.Brody

KM, Taylor JM, Wilson GR, Delatycki MB, Lockhart PJ.Brain Res. 2008 Mar 27;1201:177-86. Epub 2008 Jan 30.

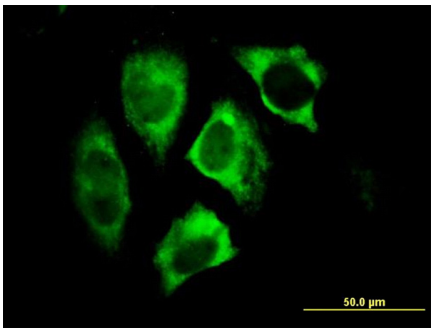
Images



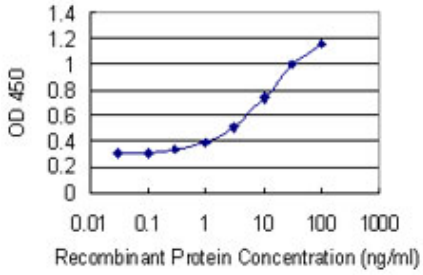
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



PARK2 monoclonal antibody (M01), clone 1H4 Western Blot analysis of PARK2 expression in Jurkat ((Cat # AT3182a)



Immunofluorescence of monoclonal antibody to PARK2 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged PARK2 is 0.1 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.