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PARK2 Antibody (monoclonal) (M01)

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

Specification

PARK2 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, E**
Primary Accession	O60260
Other Accession	BC022014
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG3 Kappa**
Calculated MW	**51641**

PARK2 Antibody (monoclonal) (M01) - 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

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.

PARK2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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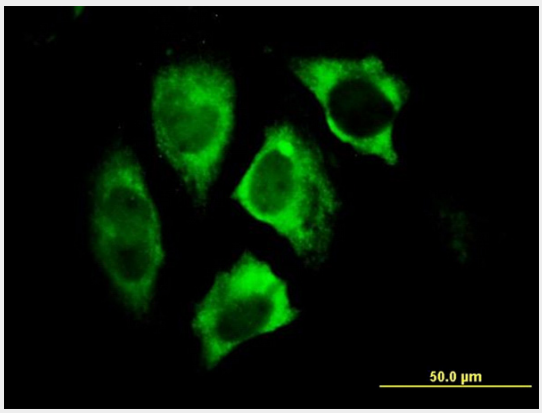
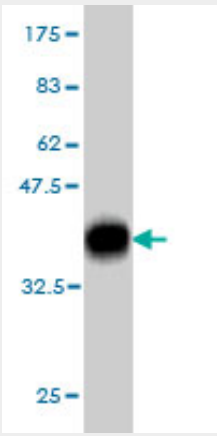
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

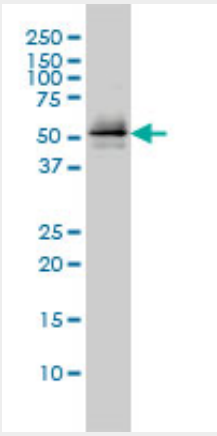
PARK2 Antibody (monoclonal) (M01) - Images



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



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

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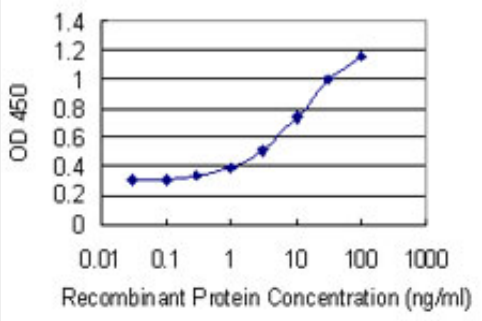

Detection limit for recombinant GST tagged PARK2 is 0.1 ng/ml as a capture antibody.

PARK2 Antibody (monoclonal) (M01) - 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.

PARK2 Antibody (monoclonal) (M01) - 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.