

Datasheet: MCA3315Z

BATCH NUMBER 180115

Description:	MOUSE ANTI HUMAN PARKIN:Preservative Free
Specificity:	PARKIN
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	1H4
Isotype:	IgG3
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			0.1 - 10 ug/ml
Immunofluorescence	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 288-388 of human PARK2

**External Database
Links**

UniProt:

[O60260](#) [Related reagents](#)

Entrez Gene:

[5071](#) PARK2 [Related reagents](#)

Synonyms

PRKN

RRID

AB_2159924

Fusion Partners

Spleen cells from Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.

Specificity

Mouse anti Human Parkin antibody, clone 1H4 recognizes human E3 ubiquitin-protein ligase parkin, also known as Parkin or Parkinson juvenile disease protein 2. Parkin is a 465 amino acid ~ 50 kDa enzymatic component of a multiprotein E3 ubiquitin ligase complex.

Mutations in the PARK2 gene has been noted to affect susceptibility to Parkinson's disease ([PARK](#)) and development of Parkinson disease 2, also known as autosomal recessive juvenile Parkinsonism ([PARK2](#)) which differs from classical Parkinson disease by early DOPA-induced dyskinesia, diurnal fluctuation of the symptoms, sleep benefit, dystonia and hyper-reflexia ([Kitada *et al.* 1998](#)).

References

1. Brody, K. M. *et al* (2008) Regional and cellular localisation of Parkin co-regulated gene in developing and adult mouse brain. [Brain Res. 1201: 177-86.](#)
2. Scuderi, S. *et al.* (2014) Alternative splicing generates different parkin protein isoforms: evidences in human, rat, and mouse brain. [Biomed Res Int. 2014:690796.](#)

Storage

Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA3315Z>
10162

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M367577:200529'

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