Datasheet: MCA3315Z

BATCH NUMBER 166793

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 from ascites
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^{o}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

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE

Human Anti Mouse IgG3 (HCA039...)	FITC, HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
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 (STAR13...)	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

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