

Datasheet: AHP1305

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|----------------------|------------------------------|
| Description: | RABBIT ANTI PARKIN (pSer378) |
| Specificity: | PARKIN (pSer378) |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 ml |

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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ■ | |
| Immunohistology - Frozen | | | ■ | |
| Immunohistology - Paraffin | | | ■ | |
| ELISA | | | ■ | |
| Immunoprecipitation | | | ■ | |
| Western Blotting (1) | ■ | | | 1/1000 |

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.

(1) For the detection of phosphoproteins, tyrosine phosphatase inhibitors such as 1mM Sodium Orthovanadate should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.

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| Target Species | Human |
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| Product Form | Purified IgG - liquid |
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Antiserum Preparation Antisera to human parkin were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

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| Buffer Solution | 10mM Hepes pH7.5 |
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| Preservative | 0.09% Sodium Azide (NaN ₃) |
| Stabilisers | 0.01% Bovine Serum Albumin |
| | 50% Glycerol |

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| Immunogen | Synthetic phosphopeptide corresponding to an amino acid sequence within parkin, which includes the phosphorylated residue Ser378. |
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**External Database
Links**

UniProt:

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

Entrez Gene:

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

Synonyms

PRKN

Specificity

Rabbit anti parkin (pSer378) antibody recognizes E3 ubiquitin-protein ligase parkin (parkin), also known as Parkinson juvenile disease protein 2, when phosphorylated at serine 378.

Parkin is an E3 ubiquitin ligase highly expressed in the brain, which functions in the ubiquitin-proteasome system, together with the E2 ubiquitin conjugating co-enzyme UbcH7. Mutations in the parkin gene are associated with the hereditary neurodegenerative disorder known as autosomal recessive early onset Parkinson disease 2 ([PARK2](#)), characterized by progressive dopaminergic neural cell death. There are at least five phosphorylation sites in parkin including Ser378, shown to be phosphorylated by Casein kinase-1 and phosphorylation of parkin may act to regulate its ubiquitin ligase activity.

Western Blotting

AHP1305 detects a band of approximately 52kDa in HEK293 cell lysates transfected with parkin WT.

Storage

Store at +4°C or at -20°C if preferred.
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.

Shelf Life

12 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10088 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

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