

Poly [ADP-ribose] polymerase 1 (cleaved) monoclonal antibody

Catalog Number: A21969

Store at 4°C

Clonality:	Monoclonal	Host/Class:	Mouse IgG
Concentration:	Lot dependent	Reactivity:	Human Poly [ADP-ribose] polymerase 1 (cleaved)
Quantity:	100 µg	Predicted Reactivity:	Human

Product Description

PARP-1 is a nuclear DNA repair enzyme, and part of the base excision repair complex. During apoptosis, PARP-1 is cleaved between Asp214 and Gly215 by activated caspase-3 resulting in the formation of an N-terminal 24 kDa fragment containing most of the DNA binding domain and a C-terminal 89 kDa fragment containing the catalytic domain. The proteolysis of PARP-1 through this cleavage renders the enzyme inactive and this further facilitates apoptotic cell death. The PARP-1 (cleaved) antibody reacts with the N-terminal end of the apoptosis-specific 89 kDa catalytic domain fragment formed by the cleavage adjacent to Asp214. It does not recognize the full-length PARP-1 or the 24 kDa DNA binding domain fragment.

Product Specifications

Clone/PAD:	4B5BD2
Lot:	See product label

Product Applications

Application	Concentration
Immunocytochemistry	1 µg/mL
In-Cell ELISA	1 µg/mL (0.1 µg/well)
Western blotting	0.25 µg/mL - 1 µg/mL

Storage and Handling

Store the antibody at 4°C. **Do not freeze.**

Stability

Expires one year from date of receipt when stored as instructed.

Storage Buffer

Hepes-Buffered Saline (HBS) with 0.02% azide as a preservative.

For research use only. Not for human or animal therapeutic or diagnostic use.



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MAN0003787

Rev. Date: 21 March 2011

Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.com/sds.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.invitrogen.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Nitrocellulose, 0.2 µm	20/pack	LC2000
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Use Label License: Research Use Only

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