



[Go to Product page](#)

Datasheet for ABIN118982  
**anti-Poly-ADP-Ribose antibody**

### Overview

Quantity:	0.1 mL
Target:	Poly-ADP-Ribose (PAR)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Poly-ADP-Ribose antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP)

### Product Details

Immunogen:	Purified poly (ADP-ribose) polymer, 10-50 unit chain length.
Clone:	10H
Isotype:	IgG3
Cross-Reactivity (Details):	Species reactivity (expected):Broad. Species reactivity (tested):Human.
Purification:	Purified

### Target Details

Target:	Poly-ADP-Ribose (PAR)
Abstract:	<a href="#">PAR Products</a>

## Target Details

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**Background:** PADPR (Poly(ADP-ribose)) is a polymer synthesized by a class of enzymes named poly(ADP-ribose) polymerases (PARP). Using NAD<sup>+</sup> as substrate, PARP catalyzes the formation of the polymer PADPR, with chain lengths ranging from 2 to 300 residues, containing approximately 2 % branching in the chain. PADPR becomes attached to nuclear proteins, and to PARP itself (automodification). Under normal conditions, cells display low basal level of PADPR polymer, which can dramatically increase in cells exposed to DNA damaging agents (irradiation, alkylation, etc.). This increase of polymer synthesis is usually transient and is followed by a rapid degradation phase with a short half life which can be less than 1 min. The low endogenous level of polymer in unstimulated cells and its rapid catabolism during DNA damage has been ascribed to high activity of the polymer catabolizing enzyme poly(ADP-ribose) glycohydrolyase (PARG). Synonyms: PADPR

## Application Details

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**Application Notes:** Immunohistology on frozen sections: This product requires protein digestion pre-treatment of paraffin embedded sections e.g. trypsin or pronase prior to staining. Immunoprecipitation.  
Western Blot: 1/500.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Buffer:** PBS, 50 % Glycerol

**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freezing and thawing.

**Storage:** 4 °C/-20 °C

**Storage Comment:** Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.