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Datasheet for ABIN6944437
anti-PARP2 antibody

Overview

Quantity:	100 µL
Target:	PARP2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PARP2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant protein within the C-terminus of human PARP2.
Clone:	19A1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	PARP2
Alternative Name:	PARP2 (PARP2 Products)
Background:	Synonyms: Poly [ADP-ribose] polymerase 2, ADP-ribosyltransferase diphtheria toxin-like 2, NAD(+) ADP-ribosyltransferase 2, Poly[ADP-ribose] synthase 2, PARP-2, hPARP-2, ARTD2,

Target Details

ADPRT-2, pADPRT-2, PARP2, ADPRT2, ADPRTL2

Background: Poly-ADP-ribosyltransferase that mediates poly-ADP-ribosylation of proteins and plays a key role in DNA repair. Mainly mediates glutamate and aspartate ADP-ribosylation of target proteins: the ADP-D-ribosyl group of NAD⁺ is transferred to the acceptor carboxyl group of glutamate and aspartate residues and further ADP-ribosyl groups are transferred to the 2'-position of the terminal adenosine moiety, building up a polymer with an average chain length of 20-30 units. ADP-ribosylation follows DNA damage and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. Also mediates serine ADP-ribosylation of target proteins following interaction with HPF1, HPF1 conferring serine specificity. In addition to proteins, also able to ADP-ribosylate DNA: preferentially acts on 5'-terminal phosphates at DNA strand breaks termini in nicked duplex

Gene ID: 10038

UniProt: [Q9UGN5](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: WB 1:300-5000
FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 % Glycerol and 0.05 % Sodium Azide.

Preservative: ProClin

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

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for up to 2 weeks. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Handling

Expiry Date: 12 months