

Mouse anti-Human PARP2 Monoclonal Antibody | anti-PARP2 antibody

PARP2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48344	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

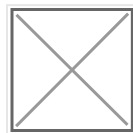
PRODUCT SYNONYMS

PARP2; Monoclonal Antibody; Poly (ADP-ribose) polymerase 2; ADPRT2; ADPRTL2; ADPRTL3; ARTD2; pADPRT-2; PARP-2; anti-PARP2 antibody

PRODUCT SPECIFICATIONS

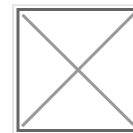
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	AT29G4
Purity/Purification	Protein-A affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol
Concentration	1mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	583
Applicable Applications for anti-PARP2 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human PARP2 (233-583aa) purified from E. coli
Note	This product was produced from tissue culture supernatant.
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry analysis of PARP2 in U87MG cells. The cell was stained with AAA48344 at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



ICC (Immunocytochemistry)

ICC/IF analysis of PARP2 in HeLa cells. The cell was stained with AAA48344 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



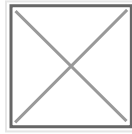
SDS-PAGE

The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PARP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.Lane 1.: NIH3T3 cell lysateLane 2.: Raji cell lysate



SDS-PAGE

The cell lysate(40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PARP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.Lane 1.: HeLa cell lysate



SDS-PAGE

The cell lysate(40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PARP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.Lane 1.: SW480 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PARP2 antibody	PARP2 is poly (ADP-ribosyl) transferase-like 2 protein, which contains a catalytic domain and is capable of catalyzing a poly (ADP-ribosyl) ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. The basic residues within the N-terminal region of this protein may bear potential DNA-binding properties, and may be involved in the nuclear and/or nucleolar targeting of the protein. Two alternatively spliced transcript variants encoding distinct isoforms have been found.
Product Categories/Family for anti-PARP2 antibody	Epigenetics and Nuclear Signaling
References	Ame JC, Rolli V, Schreiber V et al. (1999). J. Biol. Chem. 274 (25): 17860-8.; Schreiber V, Ame JC, Dolle P et al. (2002). J. Biol. Chem. 277 (25): 23028-36.; Maeda Y, Hunter TC, Loudy DE et al. (2006). J. Biol. Chem. 281 (14): 9600-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110825961
NCBI GeneID	10038
NCBI Accession #	NP_005475
NCBI GenBank Nucleotide #	NP_005475.2
UniProt Accession #	Q9UGN5
NCBI Official Full Name	poly
NCBI Official Synonym Full Names	poly(ADP-ribose) polymerase 2
NCBI Official Symbol	PARP2
NCBI Official Synonym Symbols	ARTD2; ADPRT2; PARP-2; ADPRTL2; ADPRTL3; pADPRT-2
NCBI Protein Information	poly [ADP-ribose] polymerase 2
UniProt Protein Name	Poly [ADP-ribose] polymerase 2
UniProt Gene Name	PARP2
UniProt Synonym Gene Names	ADPRT2; ADPRTL2; PARP-2; hPARP-2; ARTD2; ADPRT-2; pADPRT-2
UniProt Entry Name	PARP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/parp2-antibody-clone-at29g4-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48344>