PARP2 polyclonal antibody

Catalog # PAB12554 Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PARP2.
Immunogen	A synthetic peptide corresponding to amino acids 43-59 of human PARP2.
Sequence	QRQESKKMPVAGGKANK
Host	Rabbit
Reactivity	Human
Specificity	Reacts with N-terminus of human PARP 2.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

Gene Info — PARP2

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Entrez GeneID	10038
Gene Name	PARP2
Gene Alias	ADPRT2, ADPRTL2, ADPRTL3, PARP-2, pADPRT-2
Gene Description	poly (ADP-ribose) polymerase 2
Omim ID	607725
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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 domai n which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA bind ing 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 propert ies, 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. [provided by RefSeq
Other Designations	ADP-ribosyltransferase (NAD+; poly(ADP-ribose) polymerase)-like 2|poly (ADP-ribose) polymer ase family, member 2|poly (ADP-ribosyl) transferase-like 2|poly(ADP-ribose) synthetase

Publication Reference

- PARP-2, A novel mammalian DNA damage-dependent poly(ADP-ribose) polymerase.

  Amé JC, Rolli V, Schreiber V, Niedergang C, Apiou F, Decker P, Muller S, Höger T, Ménissier-de Murcia J, de Murcia G.

  The Journal of Biological Chemistry 1999 Jun; 274(25):17860.

  Application: IF, WB-Ce, WB-Re, WB-Tr, Insect, Mouse, NIH/3T3 cells, Recombinant protein, Sf9 cells

Pathway

- Base excision repair

Disease

- Azoospermia
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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- Genetic Predisposition to Disease
- Kidney Failure
- Multiple Sclerosis
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms

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