

Rabbit anti-Human, Mouse PARP1 Polyclonal Antibody | anti-PARP1 antibody

PARP1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301106	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

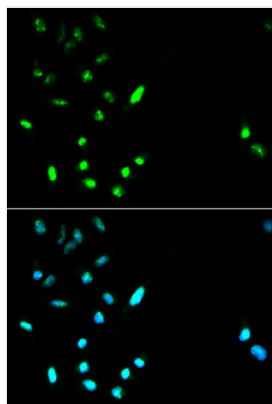
PRODUCT SYNONYMS

PARP1; Polyclonal Antibody; PARP1 antibody; ADPRT; ADPRT1; PARP; PARP-1; PPOL; pADPRT-1; anti-PARP1 antibody

PRODUCT SPECIFICATIONS

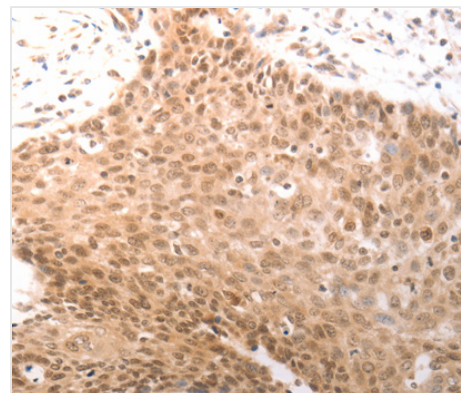
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PARP1 antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1014
Applicable Applications for anti-PARP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PARP1.
Target Name	PARP1
Preparation and Storage	Store at -20 degree C

IMAGES



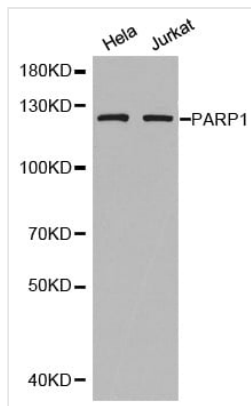
IF (Immunofluorescence)

Immunofluorescence analysis of A549 cell using PARP1 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human cervical cancer tissue, using PARP1 antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PARP1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PARP1 antibody	PARP, a 116 kDa nuclear poly (ADP-ribose) polymerase, appears to be involved in DNA repair in response to environmental stress (1). This protein can be cleaved by many ICE-like caspases in vitro (2,3) and is one of the main cleavage targets of caspase-3 in vivo (4,5). In human PARP, the cleavage occurs between Asp214 and Gly215, which separates the PARP amino-terminal DNA binding domain (24 kDa) from the carboxy-terminal catalytic domain (89 kDa) (2,4). PARP helps cells to maintain their viability; cleavage of PARP facilitates cellular disassembly and serves as a marker of cells undergoing apoptosis (6).
Product Categories/Family for anti-PARP1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	156523968
NCBI GeneID	142
NCBI Accession #	NP_001609.2
NCBI GenBank Nucleotide #	NM_001618.3
UniProt Accession #	P09874; Q8IUZ9; B1ANJ4
Molecular Weight	113,084 Da
NCBI Official Full Name	poly
NCBI Official Synonym Full Names	poly(ADP-ribose) polymerase 1
NCBI Official Symbol	PARP1
NCBI Official Synonym Symbols	PARP; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1
NCBI Protein Information	poly [ADP-ribose] polymerase 1
UniProt Protein Name	Poly [ADP-ribose] polymerase 1
UniProt Gene Name	PARP1
UniProt Synonym Gene Names	ADPRT; PPOL; PARP-1; ARTD1; ADPRT 1
UniProt Entry Name	PARP1_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.