

Rabbit PARP1 Polyclonal Antibody | anti-PARP1 antibody

[KO Validated] PARP1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282214	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PARP1; Polyclonal Antibody; [KO Validated] PARP1 Rabbit pAb; ADPRT; ADPRT 1; ADPRT1; ARTD1; PARP; PARP-1; PPOL; pADPRT-1; poly(ADP-ribose) polymerase 1; anti-PARP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
Sequence	FDSSYSRNHT YNTYIGQGYI IPGMDQGLQG ACMGERRIT IPPHLAYGEN GTGDKIPGSA VLIFNVHVID FHNPAADVVEI RTLSRPSETC NETTKLGDFV RYHYNCSLLD GTQLFTSHDY GAPQEATLGA NKVIEGLDTG LQGMCVGERR QLIVPPHLAH GESGARGVPG SAVLLFEVEL VSREDGLPTG YLFVWHKDPP ANLFEDMDLN KDGEVPPEEF STFIKAQVSE GKGRLMPGQD PEKTIGDMFQ NQDRNQDGKI TVDELKLKSD EDEERVHEEL
Applicable Applications for anti-PARP1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Positive Samples	HeLa
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human PARP1 (NP_001609.2).
Cellular Location	Nucleus, nucleolus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



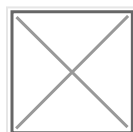
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using [KO Validated] PARP1 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



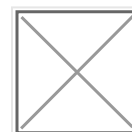
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using [KO Validated] PARP1 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using [KO Validated] PARP1 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using [KO Validated] PARP1 Rabbit pAb at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts from wild type(WT) and PARP1 knockout (KO) HeLa cells, using PARP1 antibody at 1:5000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-PARP1 antibody	This gene encodes a chromatin-associated enzyme, poly(ADP-ribose)transferase, which modifies various nuclear proteins by poly(ADP-ribose)lation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes.
Product Categories/Family for anti-PARP1 antibody	Epigenetics & Nuclear Signaling; Chromatin Modifying Enzymes; other; DNA Damage & Repair; RNA Binding; Signal Transduction; Cell Biology & Developmental Biology; Cell Cycle; Centrosome; Death Receptor Signaling Pathway; Immunology & Inflammation; NF-kB Si

NCBI AND UNIPROT INFORMATION

NCBI GI #	192448443
NCBI GeneID	60681
NCBI Accession #	NP_068758.3
NCBI GenBank Nucleotide #	NM_021939.3
UniProt Accession #	Q96AY3; Q7Z3R4; Q9H3N3; Q9H6N5; Q9UF89
Molecular Weight	64,245 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP10
NCBI Official Synonym Full Names	FK506 binding protein 10, 65 kDa
NCBI Official Symbol	FKBP10
NCBI Official Synonym Symbols	OI6; OI11; FKBP65; PPIASE; hFKBP65
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP10; FKBP-10; FKBP-65; rotamase; 65 kDa FKBP; PPIase FKBP10; immunophilin FKBP65; FK506-binding protein 10; 65 kDa FK506-binding protein
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP10
UniProt Gene Name	FKBP10
UniProt Synonym Gene Names	FKBP65; PSEC0056; PPIase FKBP10; 65 kDa FKBP; FKBP-65; FKBP-10
UniProt Entry Name	FKB10_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/polyclonal/parp1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/282214>