

A21365

Leader in Biomolecular Solutions for Life Science



[KO Validated] PARP1 Rabbit pAb

Catalog No.: A21365

KO Validated

3 Publications

Basic Information

Observed MW

114kDa

Calculated MW

113kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. 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.

Recommended Dilutions

WB 1:2000 - 1:6000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

142

Swiss Prot

P09874

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

PARP; PARS; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1; Poly-PARP; P1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

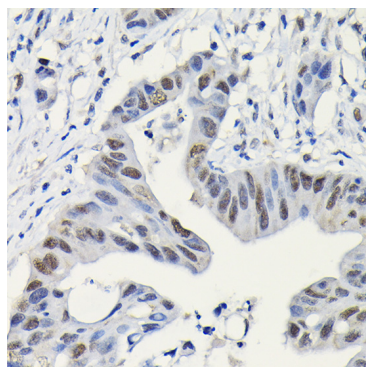
Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

Contact

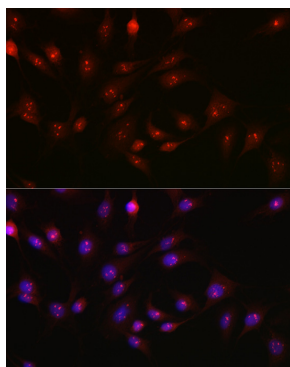


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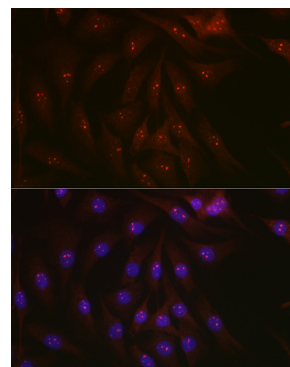
Validation Data



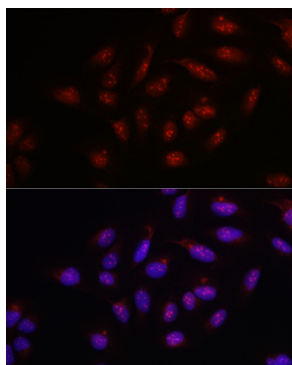
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using [KO Validated] PARP1 Rabbit pAb (A21365) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of C6 cells using [KO Validated] PARP1 Rabbit pAb (A21365) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using [KO Validated] PARP1 Rabbit pAb (A21365) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using [KO Validated] PARP1 Rabbit pAb (A21365) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.