

A19612

Leader in Biomolecular Solutions for Life Science



Cleaved PARP1 p25 Rabbit mAb

Catalog No.: A19612

Recombinant

24 Publications

Basic Information

Observed MW

25 kDa

Calculated MW

113 kDa

Category

Monoclonal Antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human,Mouse

CloneNo number

ARC0091

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 1:10000 - 1:40000

IP 0.5µg-4µg antibody for
400µg-600µg extracts
of whole cells

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

A synthetic peptide corresponding to a sequence within amino acids 150-214 of human Cleaved PARP1 p25 (P09874).

Synonyms

PARP; PARS; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1; Poly-PARP; Cleaved PARP1 p25

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

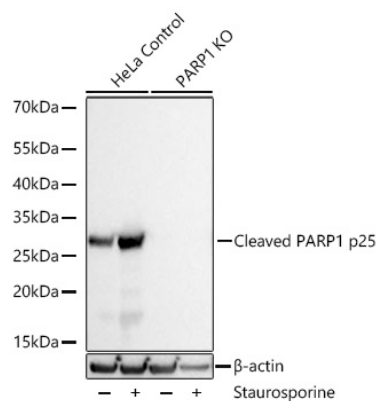
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact



www.abclonal.com

Validation Data



Western blot analysis of lysates from wild type (WT) and Cleaved PARP1 p25 knockout (KO) cells using Cleaved PARP1 p25 Rabbit mAb (A19612) at 1:10000 dilution incubated at room temperature for 1.5 hours. Wild type (WT) and PARP1 knockout (KO) HeLa cells were treated with Staurosporine (1 μ M) at 37°C for 6 hours.

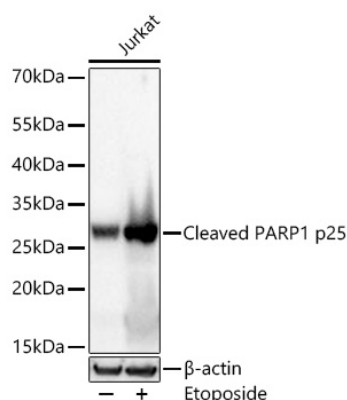
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from Jurkat cells using Cleaved PARP1 p25 Rabbit mAb (A19612) at 1:10000 dilution incubated at room temperature for 1.5 hours. Jurkat cells were treated with Etoposide (25 μ M) at 37°C for 5 hours.

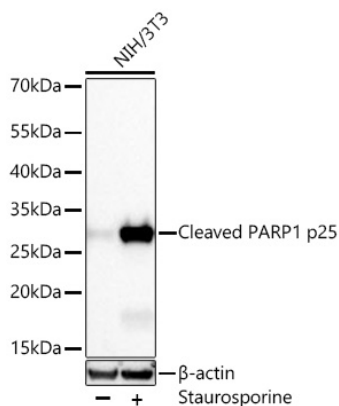
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from NIH/3T3 cells using Cleaved PARP1 p25 Rabbit mAb (A19612) at 1:10000 dilution incubated at room temperature for 1.5 hours. NIH/3T3 cells were treated with Staurosporine (1 μ M) for 3 hours.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

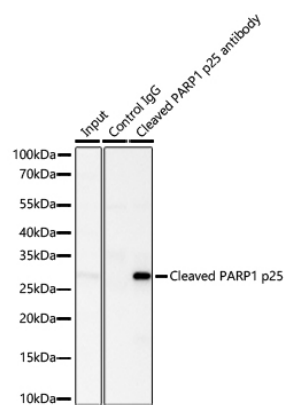
Lysates/proteins: 30 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

Validation Data



Immunoprecipitation of Cleaved PARP1 p25 from 600 µg extracts of Jurkat cells was performed using 2 µg of Cleaved PARP1 p25 Rabbit mAb (A19612). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Cleaved PARP1 p25 Rabbit mAb (A19612) at a dilution of 1:1000.