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Cleaved PARP1 p25 Rabbit mAb

Catalog No.: A19612 Recombinant 25 Publications

Basic Information

Observed MW
27kDa/25kDa

Calculated MW
113kDa

Category
Primary 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 200μg-400μg 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

Contact

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Product Information

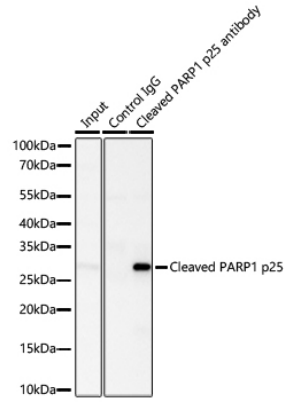
Source
Rabbit

Isotype
IgG

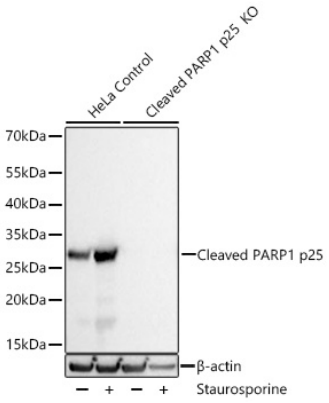
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

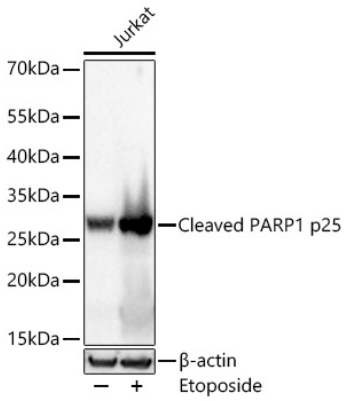
Validation Data



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.

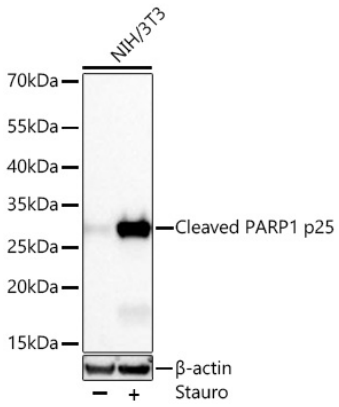


Western blot analysis of lysates from wild type (WT) and Cleaved PARP1 p25 knockout (KO) cells using Cleaved PARP1 p25 Rabbit mAb (A19612) at 1:10000 dilution incubated at room temperature for 1.5 hours. Wild type (WT) and PARP1 knockout (KO) HeLa cells were treated with Staurosporine(1 µM) at 37℃ for 6 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Western blot analysis of lysates from 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 µM) at 37℃ for 5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

Validation Data



Western blot analysis of lysates from 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 μM) for 3 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.