

Product Datasheet

Cleaved PARP Antibody

Catalog No: CY5265

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB ICC IP FC



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Information

UniProt ID: P09874

All Names: ADPRT; ADP-Ribosyltransferase; CPP32; PARP; PARP1; SCA1; PPOL; YAMA;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Specificity: This antibody is specific for p85 cleaved form of PARP.

Molecular Wt.: 85 kDa

Application

WB: 1:500~1:2000

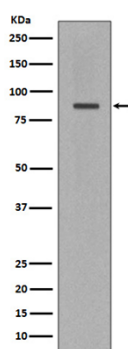
ICC: 1:50~1:200

IP: 1:50

FC:1:50

Background

Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. Mediates the poly(ADP-ribosyl)ation of APLF and CHFR. Positively regulates the transcription of MTUS1 and negatively regulates the transcription of MTUS2/TIP150. With EEF1A1 and TXK, forms a complex that acts as a T-helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production. Required for PARP9 and DTX3L recruitment to DNA damage sites. PARP1-dependent PARP9-DTX3L-mediated ubiquitination promotes the rapid and specific recruitment of 53BP1/TP53BP1, UIMC1/RAP80, and BRCA1 to DNA damage sites.



Western blot analysis of Cleaved PARP expression in Jurkat cell lysate.

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