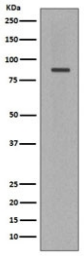
Cleaved PARP Antibody [clone BHH-16] (RQ5289)

Catalog No.	Formulation	Size
RQ5289	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	BHH-16
Purity	Affinity purified
UniProt	P09874
Applications	Western blot: 1:500-1:2000
Limitations	This Cleaved PARP antibody is available for research use only.



Western blot testing of human Jukat cell lysate with Cleaved PARP antibody. Predicted molecular weight ~89 kDa (auto-modification/catalytic domain).

Description

The main role of PARP (found in the cell nucleus) is to detect and initiate an immediate cellular response to metabolic, chemical, or radiation-induced single-strand DNA breaks (SSB) by signaling the enzymatic machinery involved in the SSB repair. [Wiki]

Cleavage of PARP, by enzymes such as caspases or cathepsins, typically inactivates PARP. While in vitro cleavage by caspase occurs throughout the caspase family, preliminary data suggest that caspase-3 and caspase-7 are responsible

for in vivo cleavage. Cleavage occurs at aspartic acid 214 and glycine 215, separating PARP into a 24kDA and 89kDA segment. The smaller moiety includes the zinc finger motif requisite in DNA binding. The 89 kDa fragment includes the auto-modification domain and catalytic domain. [Wiki]

Additional PARP1 pathway and chromatin-associated DNA repair studies may benefit from our PARP1 antibody page featuring recombinant rabbit monoclonal clone CFD-16 with knockdown-validated target recognition.

Application Notes

Optimal dilution of the Cleaved PARP antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human PARP (89kDa cleavage segment) was used as the immunogen for the Cleaved PARP antibody.

Storage

Store the Cleaved PARP antibody at -20oC.

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