

Anti-Cleaved PARP PARP1 Rabbit Monoclonal Antibody

Catalog Number: M00122-2

About PARP1

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-Cleaved PARP PARP1 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Cleaved PARP PARP1 Rabbit Monoclonal Antibody catalog # M00122-2. Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IP, IF, ICC, WB
Clonality	Monoclonal BHH-16
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P09874

Technical Details

Immunogen	A synthesized peptide derived from human Cleaved PARP
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

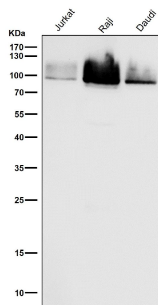
WB 1:500-1:2000

ICC/IF 1:50-1:200

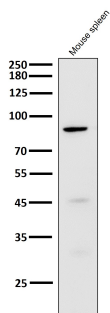
IP 1:50

FC 1:50

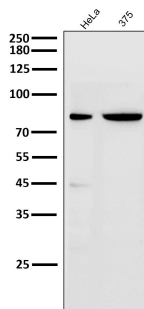
Anti-Cleaved PARP PARP1 Rabbit Monoclonal Antibody (M00122-2) Images



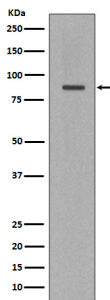
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.

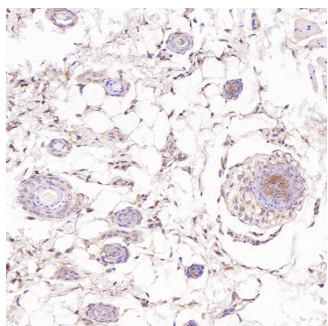


All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.

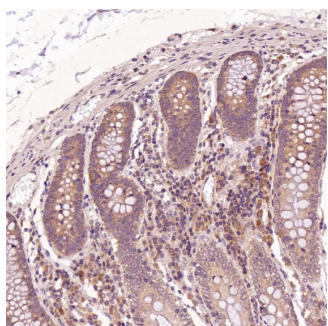
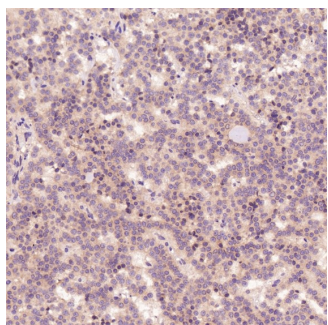


Western blot analysis of Cleaved PARP expression in Jurkat cell lysate.

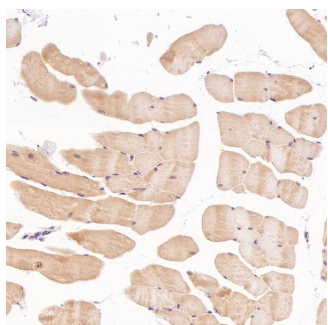
Immunohistochemical analysis of paraffin-embedded Rat skin, using the Antibody at 1:50 dilution.



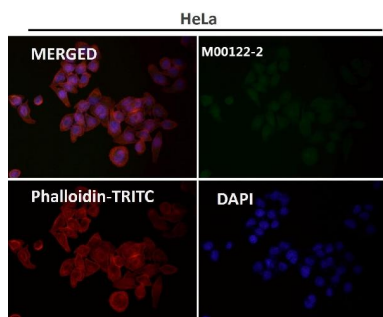
Immunohistochemical analysis of paraffin-embedded Human pituitary tumor, using the Antibody at 1:50 dilution.



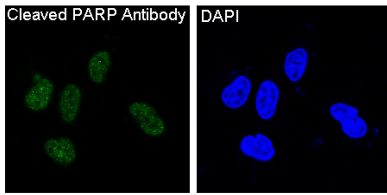
Immunohistochemical analysis of paraffin-embedded Human colon, using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle - gastrocnemius , using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis of HeLa cells, using Cleaved PARP Antibody .

2 Publications Citing This Product

1. PubMed ID: 33382670, Chen H, Sheng H, Zhao Y, Zhu G. Piperine Inhibits Cell Proliferation and Induces Apoptosis of Human Gastric Cancer Cells by Downregulating Phosphatidylinositol 3-Kinase (PI3K)/Akt Pathway. Med Sci Monit. 2020 Dec 31;26:e928403.doi:10.12659/MSM.928403.PMID:33382

2. PubMed ID: 33281970, Wang P, Wang C, Liu C. Antitumor effects of dioscin in A431 cells via adjusting ATM/p53-mediated cell apoptosis, DNA damage and migration. Oncol Lett. 2021 Jan;21(1):59.doi:10.3892/ol.2020.12321.Epub 2020 Nov 19.PMID:33281970;PMCID:PMC7709553.

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