

Product datasheet

Recombinant Mouse PARP2 protein ab168074

Description

Product name Recombinant Mouse PARP2 protein

Purity >= 98 % SDS-PAGE.

Expression system Baculovirus infected Sf21 cells

Accession [O88554](#)

Protein length Full length protein

Animal free No

Nature Recombinant

Species Mouse

Sequence

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MAPRRQRSGSGRRVLNEAKKVDNGNKATEDDSPPGKK
MRTCQRKGPMAGG
KDADRTKDNRDSVKTLKLLKGGKAPVDPECAAKLGKAHVYC
EGDDVYDVMLN
QTNLQFNNNKYLIQLLEDDAQRNFSVWMRWGRVGTGQ
HSLVTCSGDLN
KAKEIFQKKFLDKTKNNWEDRENFEKVPVKYDMLQMDYA
ASTQDESKTKE
EETLKPESQLDLRVQELLKLCINVTMEEMMIEMKYDTKR
APLGKLTVAQ
IKAGYQSLKKIEDCIRAGQHGRALVEACNEFYTRIPHDFGL
SIPPVIRTE
KELSDKVKLLEALGDIEIALKLVKSERQGLEHPLDQHYRNL
HCALRPLDH
ESNEFKVISQYLQSTHAPTHKDYTMILLDVFEVEKEGEKE
AFREDLPNRM
LLWHGSRLSNWVGILSHGLRVAPPEAPITGYMFGKGIYFA
DMSSKSANYC
FASRLKNTGLLLLSEVALGQCNELLEANPKAQGLLRGKHS
TKGMGKMAPS
PAHFITLNGSTVPLGPASDTGILNPEGYTLNNEFVYSPNQ
VRMRYLLK IQFNFLQLW
    
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Predicted molecular weight 63 kDa

Amino acids 1 to 559

Specifications

Our [Abpromise guarantee](#) covers the use of **ab168074** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: 0.34% Imidazole Constituents: 0.2% 4-Nonylphenol, branched, ethoxylated, 0.79% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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General Info

Function	Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosylation) 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.
Tissue specificity	Widely expressed, mainly in actively dividing tissues. The highest levels are in the brain, heart, pancreas, skeletal muscle and testis; also detected in kidney, liver, lung, placenta, ovary and spleen; levels are low in leukocytes, colon, small intestine, prostate and thymus.
Sequence similarities	Contains 1 PARP alpha-helical domain. Contains 1 PARP catalytic domain.
Post-translational modifications	Poly-ADP-ribosylated by PARP1.
Cellular localization	Nucleus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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