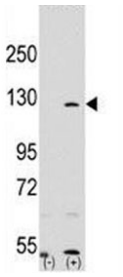
PARP Antibody / PARP1 (F49614)

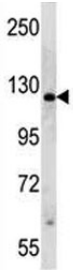
Catalog No.	Formulation	Size
F49614-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49614-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

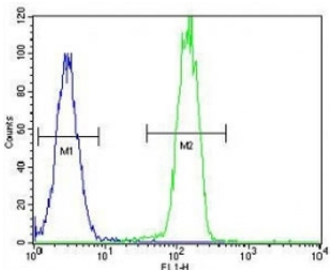
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P09874
Applications	Western blot: 1:1000 Flow Cytometry: 1:10-1:50
Limitations	This PARP antibody is available for research use only.



Western blot analysis of PARP antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PARP1 gene (2).



PARP antibody western blot analysis in HeLa lysate



PARP / PARP1 antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

PARP is 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.

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

Titration of the PARP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 183-214 from the human protein was used as the immunogen for this PARP antibody.

Storage

Aliquot the PARP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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