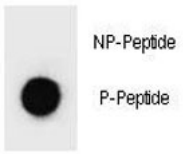
Phospho-PARP1 (S41) Antibody (F48729)

Catalog No.	Formulation	Size
F48729-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48729-0.08ML	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, Rat, Hamster
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P09874
Applications	Dot Blot : 1:500
Limitations	This Phospho-PARP1 (S41) Antibody is available for research use only.



Dot blot analysis of Phospho-PARP1 (S41) Antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

Description

Phospho-PARP1 (S41) Antibody specifically detects PARP1 protein phosphorylated at the serine 41 site. This gene encodes 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.

Phosphorylation-dependent PARP1 signaling studies may also benefit from our phospho-PARP1 (Ser177) antibody page focused on DNA damage response and chromatin stress pathway regulation.

Application Notes

Titration of the Phospho-PARP1 (S41) Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This Phospho-PARP1 (S41) Antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS41 of human PARP1.

Storage

Aliquot the Phospho-PARP1 (S41) Antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.