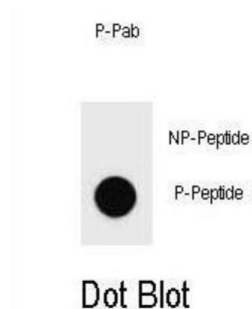


## PARP1 (pS177) Antibody

Catalogue No.: abx032180



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.

**Target:** PARP1 (pS177)

**Clonality:** Polyclonal

**Target Modification:** Ser177

**Modification:** Phosphorylation

**Reactivity:** Human

**Tested Applications:** ELISA, DB

**Host:** Rabbit

**Recommended dilutions:** DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S177 of human PARP1.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.

# Datasheet

Version: 2.0.0  
Revision date: 12 Oct 2025



**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** P09874 ([UniProt](#), [ExPASy](#))

**KEGG:** hsa:142

**String:** [9606.ENSP00000355759](#)

**Molecular Weight:** Calculated MW: 113 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Specificity:** Predicted to react with Mouse, Rat and Hamster PARP1.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only