

PARP antibody [N2C1], Internal

Cat. No. GTX112864

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, FCM, IP, ChIP assay
Reactivity	Human

References (12)

 Review (6)

Package

100 µl, 25 µl

PRODUCT

Summary

PARP antibody (more specifically, PARP1 antibody) detects poly(ADP-ribose) polymerase (PARP)-1, which is involved in various biological mechanisms such as DNA repair, genomic stability, and programmed cell death. Preclinical and clinical studies showed that PARP inhibition is an effective anti-tumor modality, and thus PARP inhibitors have become essential components of various chemotherapeutic regimens against many malignancies.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
FCM	Assay dependent
IP	1:100-1:500
ChIP assay	Assay dependent

Not tested in other applications.

Calculated MW 113 kDa. ([Note](#))

Product Note

This antibody is specific for human PARP1 protein, and it does not cross react with human PARP2 and PARP3 protein. IP/MS validation is based on published data (PMID: 30377409).

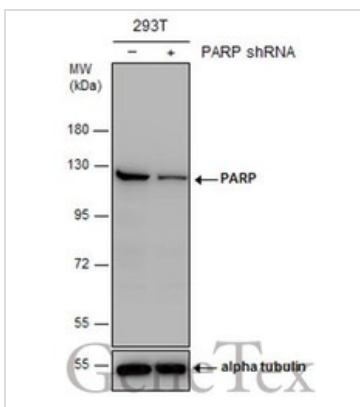
Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

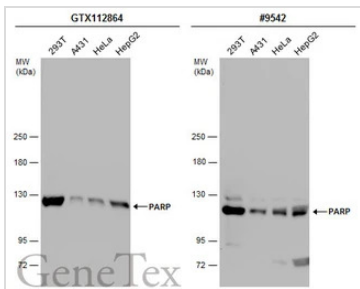


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Concentration	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human PARP1. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

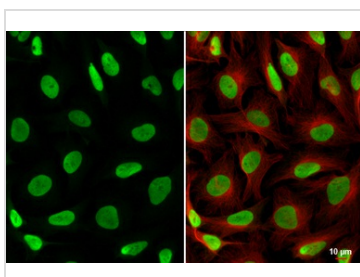
DATA IMAGES

GTX112864 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PARP antibody [N2C1], Internal (GTX112864) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


GTX112864 WB Image

Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membranes were blotted with PARP antibody [N2C1], Internal (GTX112864) diluted at 1:10000 and competitor's antibody (#9542) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

*The competitor is not affiliated with GeneTex and does not endorse this product.


GTX112864 ICC/IF Image

PARP antibody [N2C1], Internal detects PARP protein at nucleus by immunofluorescent analysis.

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: PARP stained by PARP antibody [N2C1], Internal (GTX112864) diluted at 1:500.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] (GTX628802) diluted at 1:1000.



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