

A Complete Portfolio of PARP Kits.

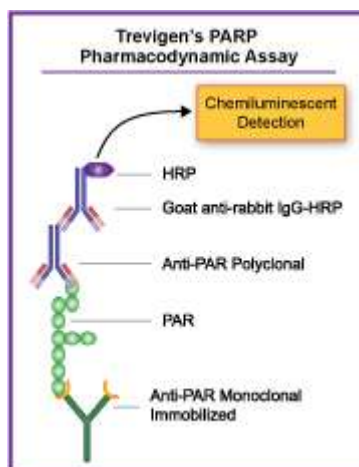
Due to the complexity of monitoring DNA damage and the multiple measuring PARP or PARP activity, Trevigen has developed a portfolio use in research applications.



PARP in vivo Pharmacodynamic Assay II

accurately measures net PAR levels in cellular extracts and has been used to document differences in PAR levels in human tumor lysates from a variety of tissues, organs, and xenografts with a sensitivity of 2 pg/ml.

PARP catalyzes the NAD-dependent addition of poly (ADP-ribose) (PAR) onto itself and adjacent nuclear proteins. PARP-1 is regarded as a promising target for the development of drugs useful in various regimens of cancer therapy, inflammation, ischemia and neurodegeneration. More recently the discovery that breast cancers deficient in homologous recombination are sensitive to nontoxic PARP inhibitors has resulted in efforts by numerous pharmaceutical companies to develop PARP-1 specific drugs.



Trevigen's PARP in vivo Pharmacodynamic Assay uses a validated sandwich chemiluminescent, plate-based (96 wells) ELISA format that accurately measures PAR levels with a sensitivity of 2 pg/ml and a linear dynamic range.

Applications

- Quantification of PAR in peripheral blood mononuclear cells, tissue culture cells, and tumor lysates from various tissues, organs and xenografts.
- Monitoring the efficacy of PARP inhibitors on cellular PAR formation.
- Verifying observations of enhanced cancer cell cytotoxicity arising from PARP inhibitor/anticancer drug combination therapy.

Description	Size	Cat. #
HT PARP in vivo Pharmacodynamic Assay II	96 Samples	4520-096-K

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PARP Kit Portfolio

- [PARP in vivo Pharmacodynamic Assay II](#)
- [HT Fluorescent Homogeneous PARP Inhibition Assay](#)
- [HT Colorimetric PARP/Apoptosis Assay Kit](#)
- [HT Chemiluminescent PARP/Apoptosis Assay Kit](#)
- [Universal Colorimetric PARP Assay Kit](#)
- [Universal Chemiluminescent PARP Assay Kit](#)