

## Selection guide: PARP Assays

Size (reactions)	ELISA Chemiluminescent		ELISA Colorimetric	AlphaLISA	FP trapping on DNA**		FP competitive binding	Fluorogenic		ELISA cell based	PROTAC Optimization
	96	384	96	384	96	384	96	96	384	96	384
PARP1	BPS-80551	BPS-80569	BPS-80580	BPS-78438	BPS-80584-1	BPS-80584-2 BPS-78317	BPS-82293			BPS-82123*	BPS-78441 (new)
PARP2	BPS-80552-1	BPS-80552-2	BPS-80581	BPS-78572	BPS-78296-1	BPS-78296-2 BPS-78317	BPS-82294			BPS-82123*	
PARP3	BPS-80553-1	BPS-80553-2		BPS-78491							
PARP4	Available for screening										
PARP5A (TNKS1)	BPS-78405-1	BPS-78405-2	BPS-78576	BPS-78489							
PARP5B (TNKS2)	BPS-78406-1	BPS-78406-2	BPS-78577	BPS-78490							
PARP6	BPS-80556										
PARP7	BPS-79729-1 BPS-78814-1 (new)	BPS-79729-2 BPS-78814-2 (new)									
PARP8	Available for screening										
PARP10	BPS-80560										
PARP11	BPS-80561			BPS-78492							
PARP12	BPS-78504										
PARP14	BPS-80568	Available for screening									
PARP15	BPS-80567										
PARP15FL	BPS-78596										
PARP16	Available for screening										
PARG								BPS-78858-1	BPS-78858-2	BPS-82123*	
ARH3								BPS-82158			
PARylation										BPS-82123*	



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FP = Fluorescence Polarization

\*82123 is our LysA™ Universal PARylation Assay Kit designed to measure and quantify the amount of total poly-ADP-ribosylation present in cell extracts. This kit is sufficiently sensitive to measure effects of known PARP1, PARP2, and PARG inhibitors.

\*\*PARPtrap™ is our proprietary assay designed to measure DNA complex formations with PARP1 and PARP2 enzymes using fluorescence polarization.