

## 12-4266: Cleaved PARP (Asp214) (Clone: H8) rabbit mAb FITC conjugate

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | PARP-H8   |
| <b>Application :</b>           | FACS  |
| <b>Reactivity :</b>            | Human   |
| <b>Conjugate :</b>             | FITC  |
| <b>Format :</b>                | Conjugated  |
| <b>Alternative Name :</b>      | Poly [ADP-ribose] polymerase 1, PARP-1, ADP-ribosyltransferase diphtheria toxin-like 1, ARTD1, NAD(+) ADP-ribosyltransferase 1, ADPRT 1 |
| <b>Isotype :</b>               | Rabbit IgG1k  |
| <b>Immunogen Information :</b> | A synthetic peptide corresponding to residues surrounding Asp214 of human PARP  |

### Description

Poly-ADP-ribose polymerase 1 (PARP-1), is a substrate of caspase-3 and caspase-7, both of which play a dominant role in apoptosis. PARP is cleaved into 89 and 24 kDa fragments at Asp214. The detection of these fragments is used as an indicator of caspase activation and apoptosis induction for many cell lines. Under normal conditions, PARP aids in the detection and repair of DNA damage. With 1-2 million copies per nucleus, PARP is also involved in poly (ADP-ribosylation), a post-translational protein modification mechanism used to modify chromatin structure and regulate transcription. Decreased PARP activity has been shown to lead to loss of memory and neuronal cell death.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 10 Tests / 100 Tests                                   |
| <b>Content :</b>           | 1X PBS, 0.09% NaN <sub>3</sub> , 0.2% BSA              |
| <b>Storage condition :</b> | Store at 2-8°C. Avoid repeated freeze and thaw cycles. |

### Application Note

For flow cytometric staining, the suggested use of this reagent is 5  $\mu$ L per million cells or 5  $\mu$ L per 100  $\mu$ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

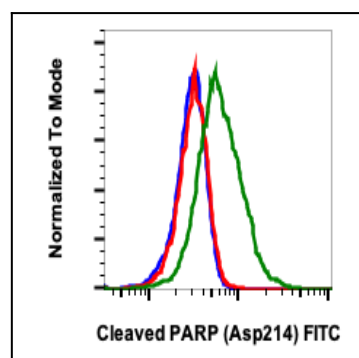


Fig-1: Flow cytometric analysis of SK.N.MC cells unstained and untreated as negative control (blue) or untreated (red) or treated with staurosporine (green) and stained using Cleaved PARP (Asp214) antibody PARP-H8 FITC conjugate.