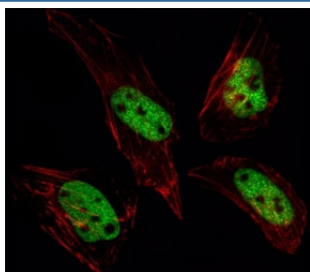


## SUMO Antibody (F42009)

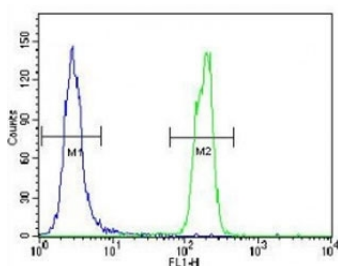
| Catalog No.   | Formulation                                | Size    |
|---------------|--------------------------------------------|---------|
| F42009-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F42009-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

[Bulk quote request](#)

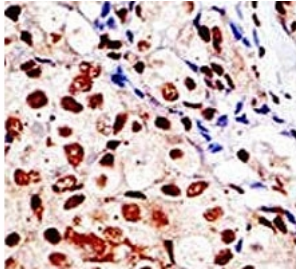
|                           |                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                    |
| <b>Species Reactivity</b> | Human                                                                                                                |
| <b>Format</b>             | Purified                                                                                                             |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                           |
| <b>Isotype</b>            | Rabbit Ig                                                                                                            |
| <b>Purity</b>             | Purified                                                                                                             |
| <b>UniProt</b>            | P63165                                                                                                               |
| <b>Applications</b>       | Immunofluorescence : 1:10-1:50<br>Western Blot : 1:1000<br>IHC (Paraffin) : 1:50-1:100<br>Flow Cytometry : 1:10-1:50 |
| <b>Limitations</b>        | This SUMO antibody is available for research use only.                                                               |



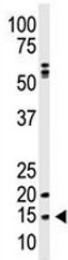
Fluorescent image of HeLa cells stained with SUMO antibody at 1:25. SUMO1 immunoreactivity is localized to the nucleus.



SUMO antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



IHC analysis of FFPE human breast carcinoma tissue stained with the SUMO antibody



Western blot analysis of SUMO antibody and A375 lysate. Predicted molecular weight: 12-15 kDa

## Description

Covalent modification of target lysines by SUMO (small ubiquitin-like modifier) modulates processes such as protein localization, transcription, nuclear transport, mitosis, DNA replication and repair, signal transduction, and viral reproduction.

## Application Notes

Titration of the SUMO antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 52-79 from the human protein was used as the immunogen for this SUMO antibody.

## Storage

Aliquot the SUMO antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.