



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. CEC-044

Anti- SUMO2/3 antibody

BACKGROUND

SUMO is Ubiquitin-like protein that can be covalently attached to proteins as a monomer or a lysine-linked polymer. This post-translational modification on lysine residues of proteins plays a crucial role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction.

| | |
|-------------------------|--|
| Product type | Primary antibody |
| Immunogen | Recombinant GST-fused human SUMO3 (full length). |
| Host | Rat |
| Clone number | 3H12 |
| Isotype | IgG2a, κ |
| Source | Culture supernatant |
| Purification | Ion-exchange chromatography |
| Form | Liquid |
| Presentation | Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300 |
| Concentration | 1 mg/mL |
| Volume | 100 μ L |
| Label | Unlabeled |
| Specificity | SUMO2 and SUMO3 |
| Cross reactivity | Human, Monkey, Mouse, Rat Other species have not been tested. |
| Storage | Store below -20°C (below -70°C for prolonged storage) Aliquot to avoid cycles of freeze/thaw. |
| Other | - |

Application notes

Recommended use

WB, ICC, IHC Not tested for other applications.

Recommended dilutions

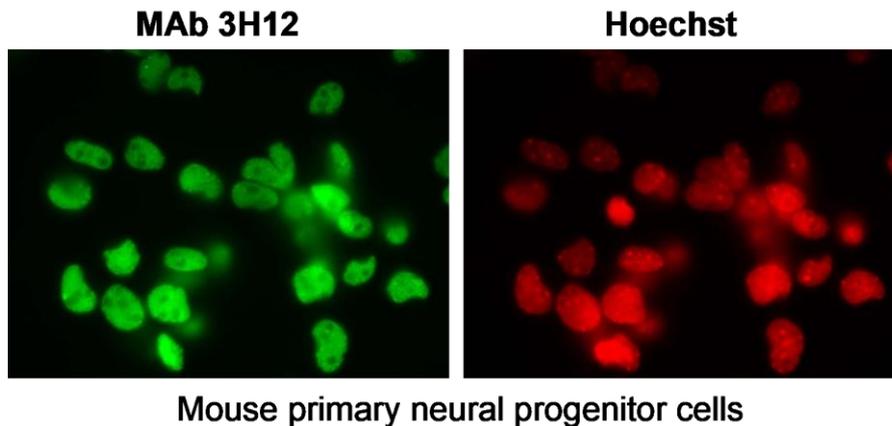
Western blotting, 1/1000 to 1/5000
Immunocytochemistry, 1/100 to 1/500
Immunohistochemistry, 1/100 to 1/500

Optimal dilutions/concentrations should be determined by the end user.

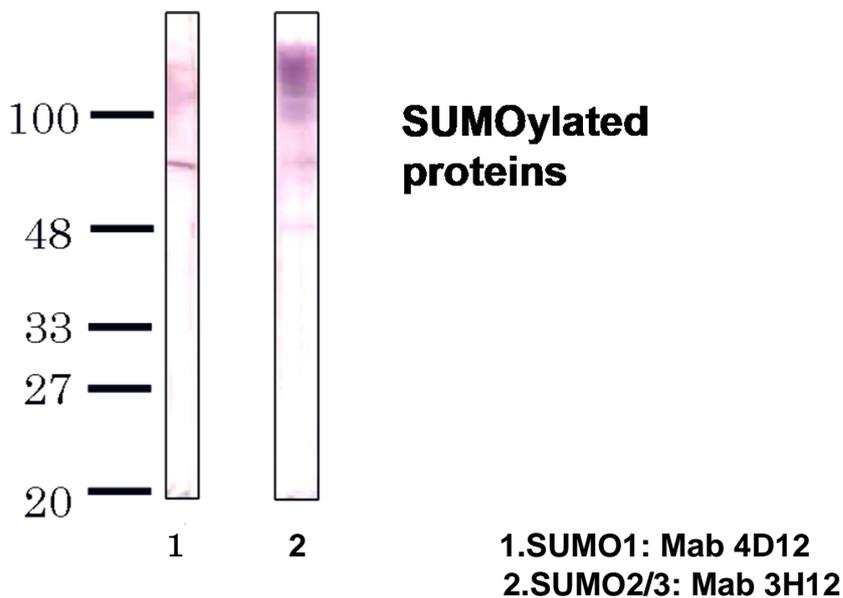
References

1) Saitoh et al.,(2006). Exp Cell Res., 312, 1418-1430.
* This antibody is used in ref.1.

ANTIBODY CHARACTERIZATION



**Fig.1 Immunocytochemistry/ Immunofluorescence – SUMO2/3 antibody (3H12),
Mouse primary culture neuron**



**Fig.2 Western blot - SUMO1 antibody (4D12) and SUMO2/3 antibody (3H12),
HeLa cell total extracts**

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