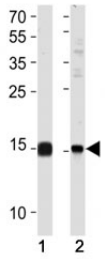
SUMO2/3 Antibody (F42018)

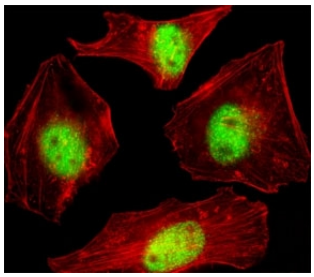
Catalog No.	Formulation	Size
F42018-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42018-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

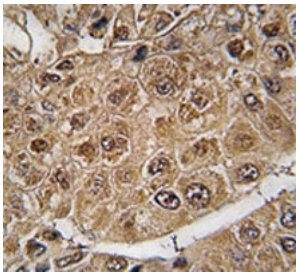
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Pig, Primate, Chicken, Zebrafish, Hamster, Xenopus
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P55854
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50 IHC (Paraffin) : 1:10-1:50
Limitations	This SUMO2/3 antibody is available for research use only.



SUMO2/3 antibody western blot analysis in (1) 293 and (2) HeLa lysate



Fluorescent confocal image of HeLa cell stained with SUMO2/3 antibody at 1:25. SUMO2/3 immunoreactivity is localized to the nucleus.



IHC analysis of FFPE human hepatocarcinoma tissue stained with SUMO2/3 antibody

Description

SUMO2 and SUMO3 are members of the SUMO (small ubiquitin-like modifier) protein family. This protein family functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. In vertebrates, three members of the SUMO family have been described, SUMO 1 and the functionally distinct homologues SUMO 2 and SUMO 3. SUMO modification sites present in the N terminal regions of SUMO 2 and SUMO 3 are utilized by SAE1/SAE2 (SUMO E1) and Ubc9 (SUMO E2) to form polymeric chains of SUMO 2 and SUMO 3 on protein substrates, a property not shared by SUMO 1.

Application Notes

Titration of the SUMO2/3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 53-84 from human SUMO3 was used as the immunogen for this SUMO2/3 antibody.

Storage

Aliquot the SUMO2/3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com