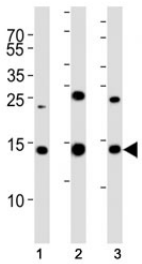
SUMO2 Antibody (F42497)

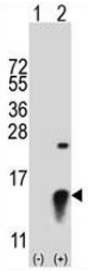
Catalog No.	Formulation	Size
F42497-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42497-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

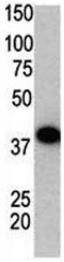
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Pig, Primate, Chicken, Zebrafish, Hamster, Xenopus
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P61956
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This SUMO2 antibody is available for research use only.



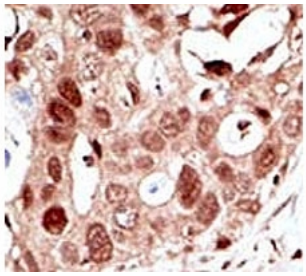
Western blot analysis of lysate from (1) 293T, (2) HL-60, (3) Jurkat cell line using SUMO2 antibody. Observed molecular weight: 12-15 kDa.



Western blot analysis of SUMO2 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the SUMO2 gene.



Western blot using SUMO2 antibody and GST-SUMO2 fusion protein.



IHC analysis of FFPE human breast carcinoma tissue stained with the SUMO2 antibody

Description

SUMO2 is a member 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 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 63-93 from the human protein was used as the immunogen for this SUMO2 antibody.

Storage

Aliquot the SUMO2 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