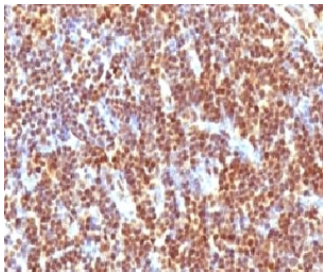
SUMO-2 Antibody [clone S2MT-1] (V7051)

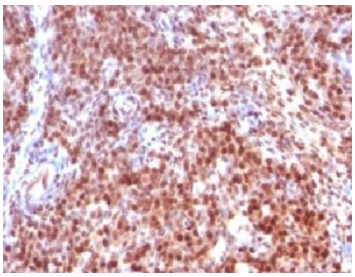
Catalog No.	Formulation	Size
V7051-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7051-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7051SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7051IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	S2MT-1
Purity	Protein G affinity chromatography
UniProt	P61956
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This SUMO-2 antibody is available for research use only.



IHC testing of formalin-fixed, paraffin-embedded human tonsil with SUMO-2 antibody (clone S2MT-1). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



IHC testing of formalin-fixed, paraffin-embedded rat ovary with SUMO-2 antibody (clone S2MT-1). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.

Description

The small ubiquitin-related modifier (SUMO) proteins, which include SUMO-1, 2 and 3, belong to the ubiquitin-like protein family. Like ubiquitin, the SUMO proteins are synthesized as precursor proteins that undergo processing before conjugation to target proteins. Sumoylation targets proteins to a variety of cellular processing, including nuclear transport, transcriptional regulation, apoptosis and protein stability. The unconjugated SUMO-1, 2 and 3 proteins localize to the nuclear membrane, nuclear bodies and cytoplasm, respectively. SUMO-2 and 3 contribute to a greater percentage of protein modification than does SUMO-1 and unlike SUMO-1, they can form polymeric chains.

Application Notes

Immunogen

Recombinant human protein was used as the immunogen for the SUMO-2 antibody.

Storage

Store the SUMO-2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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