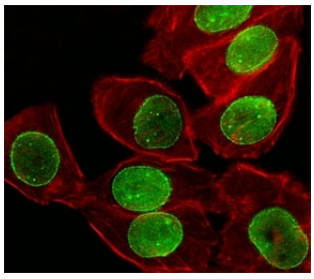
SUMO-1 Antibody (F43187)

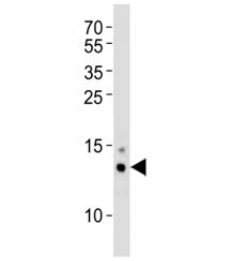
Catalog No.	Formulation	Size
F43187-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43187-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

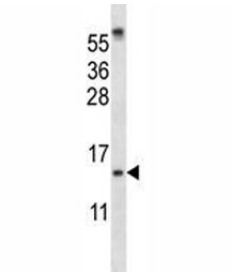
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Pig
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P63165
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50 IHC (Paraffin) : 1:10-1:50
Limitations	This SUMO-1 antibody is available for research use only.



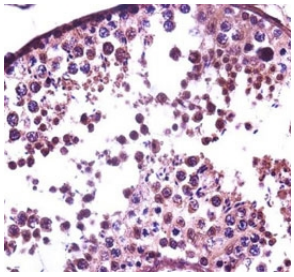
Fluorescent image of A549 cell stained with SUMO-1 antibody at 1:25. SUMO1 immunoreactivity is localized to the nuclear membrane.



Western blot analysis of lysate from mouse Neuro-2a cell line using SUMO-1 antibody at 1:1000 for each lane. Predicted molecular weight: 12-15 kDa



SUMO-1 antibody western blot analysis in ZR-75-1 lysate



SUMO-1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue.

Description

This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It 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. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized.

Application Notes

Titration of the SUMO-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this SUMO-1 antibody.

Storage

Aliquot the SUMO-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.