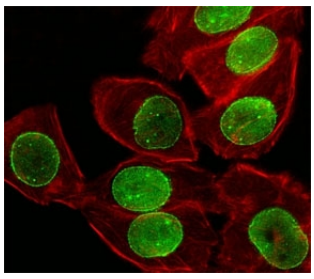
SUMO-1 Antibody (F43187)

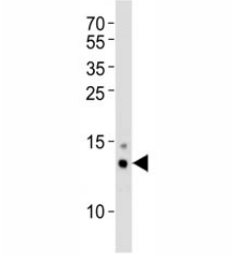
Catalog No.	Formulation	Size
F43187-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43187-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

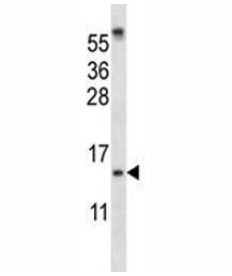
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Pig
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P63165
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50 IHC (Paraffin)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



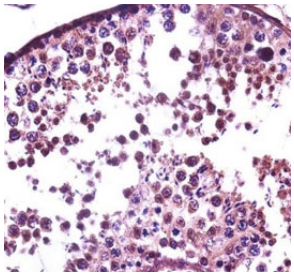
Fluorescent image of A549 cell stained with SUMO-1 antibody at 1:25. SUMO1 immunoreactivity is localized to the nuclear membrane.



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.