

Datasheet for 200-301-X27**SAP 49 Antibody****Overview**

Description:	Anti-SAP49 (MOUSE) Monoclonal Antibody - 200-301-X27
Item No.:	200-301-X27
Size:	100 µL
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat, Bovine
Host Species:	Mouse

Product Details

Background:	The spliceosome associated protein of 49 kDa (SAP49), also known as SF3B4, is a widely expressed nuclear splicing factor that has been shown to have RNA binding activity as well as direct interaction with SAP145. The SAP145-SAP49 complex has recently been implicated in cell cycle progression as Vpr (viral protein 1 of HIV-1) has been shown to bind SAP145 thus interfering with the proper formation and functioning of the SAP145-SAP49 complex. SAP 49 Antibody is ideal for researchers interested in cell cycle research.
Synonyms:	Splicing factor 3B subunit 4, Pre-mRNA-splicing factor SF3B 49 kDa subunit, SF3b50, Spliceosome-associated protein 49
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	3A1
Format:	IgG2b

Target Details

Gene Name:	SF3B4
Reactivity:	Human, Mouse, Rat, Bovine
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-SAP 49 Antibody was produced in mice by repeated immunizations with a recombinant full length human SAP49 expressed in and purified from E. Coli.

Purity/Specificity:	Anti-SAP 49 Antibody was purified from tissue culture supernatant by protein G chromatography.
Relevant Links:	• UniProtKB - Q15427 • GeneID - 10262 • NCBI - NP_005841.1

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-SAP 49 Antibody is tested for Western Blot, immunocytochemistry, immunohistochemistry, and is specific for the ~49kDa SAP49 protein. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
IHC:	1:1000
WB:	1:2000

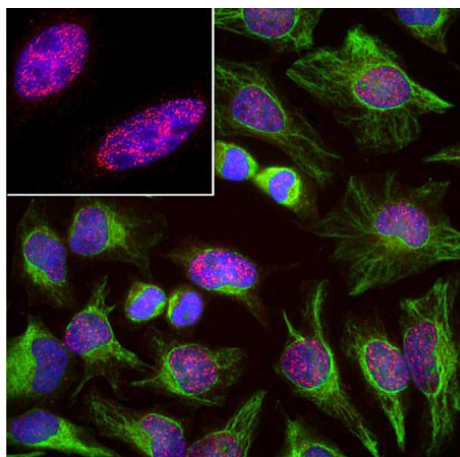
Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

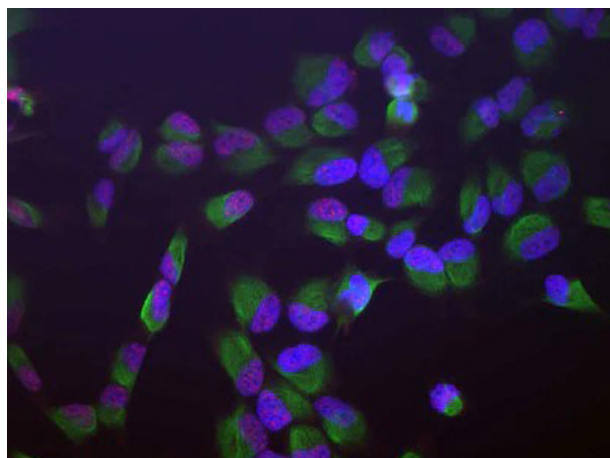
Shipping Condition:	Wet Ice
Storage Condition:	Store vial at -20° C prior to opening in undiluted aliquots. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



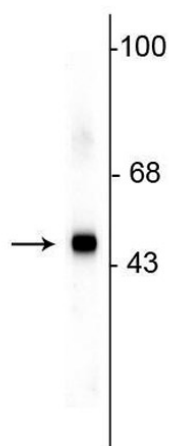
Immunofluorescence Microscopy

Immunofluorescence of HeLa cells labeled with anti-SAP49 (p/n 200-301-X27, red, 1:1000) and anti-vimentin (green, 1:10,000). The blue is DAPI staining nuclear DNA.



Immunofluorescence Microscopy

Immunofluorescence of HeLa cells showing strong granular nuclear staining of SAP49 (p/n 200-301-X27 red, 1:1000) and vimentin (green, 1:10,000). The blue is DAPI staining nuclear DNA.



Western Blot

Western Blot of Anti-SAP49 antibody. HeLa lysate showing specific immunolabeling of the ~49 kDa SAP49 protein.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.