

ARG52421 anti-SAP49 antibody [3A1]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3A1] recognizes SAP49
Tested Reactivity	Hu, Ms, Rat, Bov
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	3A1
Isotype	IgG2b
Target Name	SAP49
Species	Human
Immunogen	Recombinant full length human SAP49 expressed in and purified from E. Coli.
Conjugation	Un-conjugated
Alternate Names	SAP 49; SF3b50; SAP49; Hsh49; AFD1; Splicing factor 3B subunit 4; SF3b49; Pre-mRNA-splicing factor SF3b 49 kDa subunit; Spliceosome-associated protein 49

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:500 - 1:1000
	WB	1:1000 - 1:2000
Application Note	Specific for the ~49k SAP49 protein * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

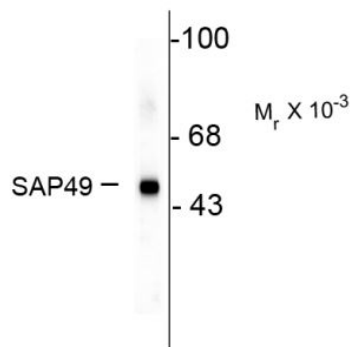
Form	Liquid
Purification	Affinity Purified
Buffer	PBS and 10 mM Sodium azide
Preservative	10 mM Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SF3B4
Gene Full Name	splicing factor 3b, subunit 4, 49kDa
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 (Champion-Arnaud and Reed 1994). 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 (Terada and Yasuda 2006).
Research Area	Gene Regulation antibody
Calculated Mw	44 kDa

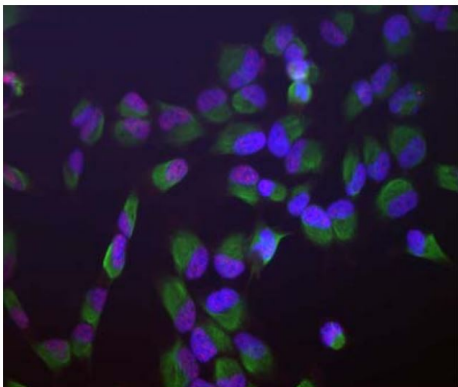
Images

ARG52421 anti-SAP49 antibody [3A1] WB image



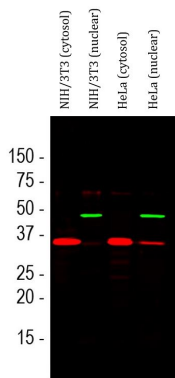
Western blot: HeLa lysate stained with ARG52421 anti-SAP49 antibody [3A1] showing specific immunolabeling of the ~ 49k SAP49 protein.

ARG52421 anti-SAP49 antibody [3A1] ICC/IF image



Immunofluorescence: HeLa cells stained with ARG52421 anti-SAP49 antibody [3A1] showing strong granular nuclear staining of SAP49 in red and vimentin (ARG52468 anti-vimentin antibody) in green.

ARG52421 anti-SAP49 antibody [3A1] WB image



Western blot: NIH/3T3 cytosol, NIH/3T3 nuclear, HeLa cytosol and HeLa nuclear fractions stained with ARG52421 anti-SAP49 antibody [3A1] (green) at 1:1000 dilution.

The same blot was simultaneously stained with anti-GAPDH antibody (red) at 1:20000 dilution.