

ARG40974 anti-RPS4X / SCAR antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RPS4X / SCAR
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RPS4X / SCAR
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 209-243 of Human RPS4X.
Conjugation	Un-conjugated
Alternate Names	40S ribosomal protein S4, X isoform; DXS306; S4; Single copy abundant mRNA protein; RPS4; SCR10; SCAR; CCG2

Application Instructions

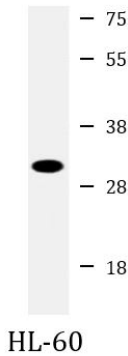
Application table	Application	Dilution
	FACS	1:25
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HL-60	
Observed Size	30 kDa	

Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) 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.

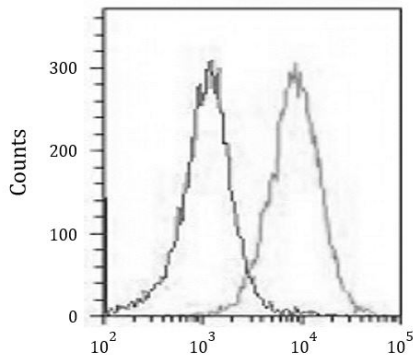
Gene Symbol	RPS4X
Gene Full Name	ribosomal protein S4, X-linked
Background	Cytoplasmic ribosomes, organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes ribosomal protein S4, a component of the 40S subunit. Ribosomal protein S4 is the only ribosomal protein known to be encoded by more than one gene, namely this gene and ribosomal protein S4, Y-linked (RPS4Y). The 2 isoforms encoded by these genes are not identical, but are functionally equivalent. Ribosomal protein S4 belongs to the S4E family of ribosomal proteins. This gene is not subject to X-inactivation. It has been suggested that haploinsufficiency of the ribosomal protein S4 genes plays a role in Turner syndrome; however, this hypothesis is controversial. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]
Calculated Mw	30 kDa
Cellular Localization	Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. [UniProt]

Images



ARG40974 anti-RPS4X / SCAR antibody WB image

Western blot: 20 µg of HL-60 cell lysate stained with ARG40974 anti-RPS4X / SCAR antibody at 1:2000 dilution.



ARG40974 anti-RPS4X / SCAR antibody FACS image

Flow Cytometry: HeLa cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by ARG40974 anti-RPS4X / SCAR antibody (right histogram) at 1:25 dilution for 60 min at 37°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (left histogram) was Rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Acquisition of > 10000 events was performed.