

ARG58289 anti-RPL4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RPL4
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RPL4
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 119-149 of Human RPL4.
Conjugation	Un-conjugated
Alternate Names	L4; 60S ribosomal protein L1; 60S ribosomal protein L4

Application Instructions

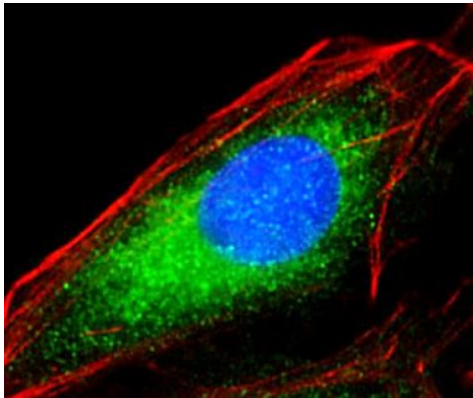
Application table	Application	Dilution
	FACS	1:25
	ICC/IF	1:25
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	

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.

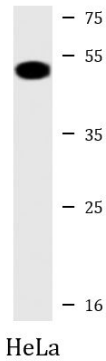
Gene Symbol	RPL4
Gene Full Name	ribosomal protein L4
Background	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L4E family of ribosomal proteins. It is located in the cytoplasm. 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	48 kDa
PTM	Citrullinated by PADI4. [UniProt]

Images



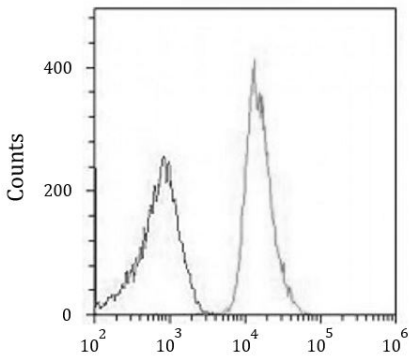
ARG58289 anti-RPL4 antibody ICC/IF image

Immunofluorescence: 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS cells stained with ARG58289 anti-RPL4 antibody (green) at 1:25 dilution. Cytoplasmic actin is detected with Dylight® 554 Phalloidin at 1:100 dilution (red). DAPI (blue) for nuclear staining.



ARG58289 anti-RPL4 antibody WB image

Western blot: 20 µg of HeLa cell lysate stained with ARG58289 anti-RPL4 antibody at 1:2000 dilution.



ARG58289 anti-RPL4 antibody FACS image

Flow Cytometry: U-2OS cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% BSA to block non-specific protein-protein interactions and stained with ARG58289 anti-RPL4 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.