

**ARG56316**  
anti-RPS3A antibodyPackage: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes RPS3A
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RPS3A
Species	Human
Immunogen	Recombinant protein of Human RPS3A
Conjugation	Un-conjugated
Alternate Names	Fte-1; MFTL; FTE1; v-fos transformation effector protein; 40S ribosomal protein S3a; S3A

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse liver and MCF7	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

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**Database links**

[GeneID: 29288 Rat](#)

[GeneID: 6189 Human](#)

[Swiss-port # P49242 Rat](#)

[Swiss-port # P61247 Human](#)

**Gene Symbol**

RPS3A

**Gene Full Name**

ribosomal protein S3A

**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 40S subunit. The protein belongs to the S3AE family of ribosomal proteins. It is located in the cytoplasm. Disruption of the gene encoding rat ribosomal protein S3a, also named v-fos transformation effector protein, in v-fos-transformed rat cells results in reversion of the transformed phenotype. This gene is co-transcribed with the U73A and U73B small nucleolar RNA genes, which are located in its fourth and third introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2012]

**Function**

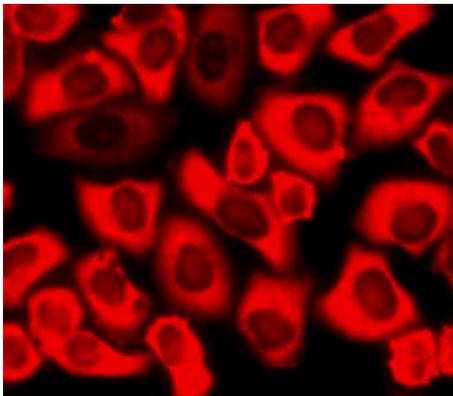
May play a role during erythropoiesis through regulation of transcription factor DDIT3. [UniProt]

**Calculated Mw**

30 kDa

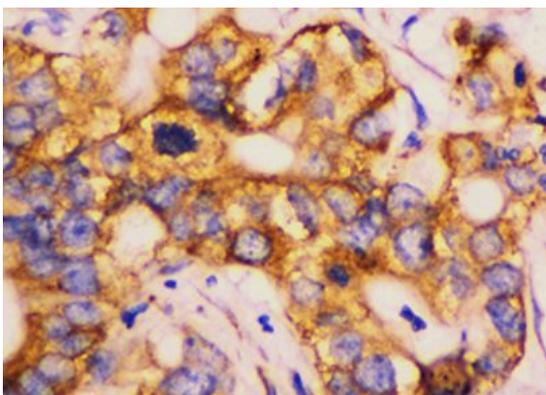
## Images

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ARG56316 anti-RPS3A antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG56316 anti-RPS3A antibody.



ARG56316 anti-RPS3A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer stained with ARG56316 anti-RPS3A antibody at 1:100 dilution.

ARG56316 anti-RPS3A antibody WB image

Western blot: Mouse liver and MCF7 cell lysates stained with ARG56316 anti-RPS3A antibody.

