Datasheet for ABIN2856016

anti-RPS3A antibody

5 Images

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Overview

Quantity:	100 µL
Target:	RPS3A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human RPS3A. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	Knockdown/Knockout validation was supported by references (PMID:26990993)
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to RPS3A (ribosomal protein S3A) RPS3A antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	RPS3A
Alternative Name:	ribosomal protein S3A (RPS3A Products)
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. Transcript variants utilizing alternative transcription start sites have been described. 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.
Molecular Weight:	30 kDa
Gene ID:	6189
UniProt:	P61247

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , A431 , H1299 , HeLaS3 , HepG2 , Molt-4 , Raji , PC-12 , Rat2 , Neuro2A , GL261 , C8D30 , NIH-3T3 , BCL-1 , Raw264.7 , C2C12 Validation: KO/KD
Restrictions:	For Research Use only

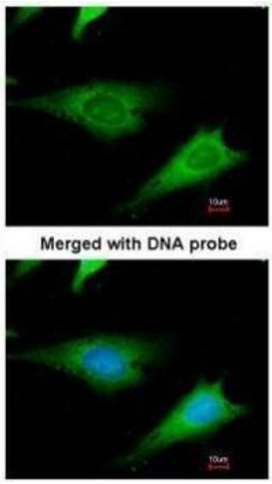
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)

Handling

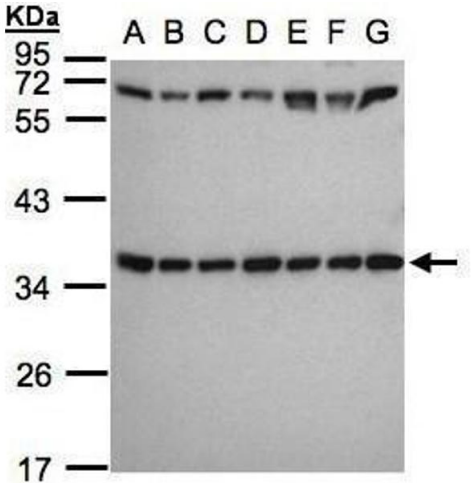
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunofluorescence

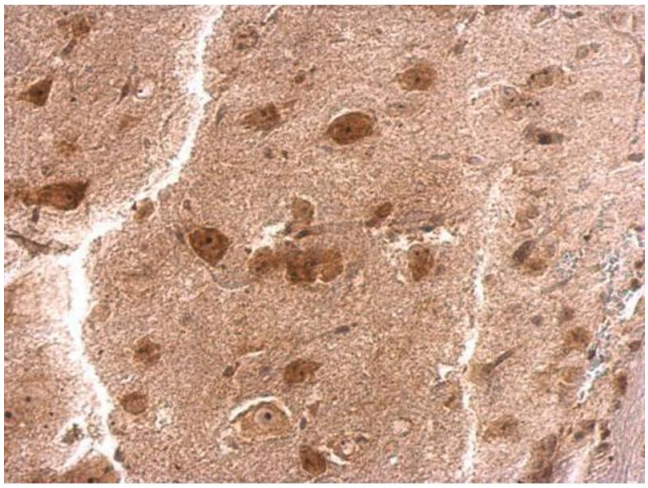
Image 1. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using ribosomal protein S3a, antibody at 1:200 dilution.



Western Blotting

Image 2. WB Image Sample(30 ug whole cell lysate) A: 293T B: A431 , C: H1299 D: HeLa S3 , E: Hep G2 , F: MOLT4 , G: Raji , 12% SDS PAGE antibody diluted at 1:1000

Images



Immunohistochemistry

Image 3. IHC-P Image RPS3A antibody detects RPS3A protein at cytosol on mouse brain stem by immunohistochemical analysis. Sample: Paraffin-embedded mouse brain stem. RPS3A antibody , dilution: 1:200.

Please check the product details page for more images. Overall 5 images are available for ABIN2856016.