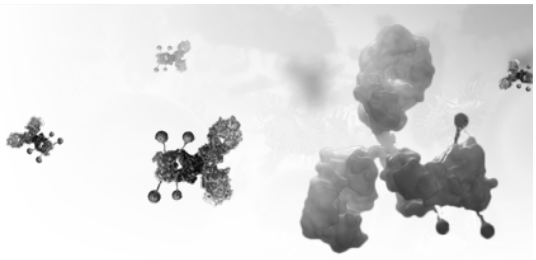

Anti-RPS3A (aa 164-263) polyclonal antibody (DPAB-DC2742)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	RPS3A (NP_000997, 164 a.a. ~ 263 a.a) partial recombinant protein with GST tag. The sequence is IRKKMMEIMTREVQTNDLKEVVNKLIPDSIGKDIEKACQSIYPLHDVFVRKVKMLKKPKF ELGKLMELHGEGSSSGKATGDETGAKVERADGYEPPVQES
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RPS3A ribosomal protein S3A [Homo sapiens (human)]
Official Symbol	RPS3A
Synonyms	RPS3A; ribosomal protein S3A; S3A; FTE1; MFTL; 40S ribosomal protein S3a; fte-1; v-fos transformation effector protein 1;
Entrez Gene ID	6189
Protein Refseq	NP_000997
UniProt ID	P61247
Chromosome Location	4q31.2-q31.3
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S; Cytoplasmic Ribosomal Proteins; Eukaryotic Translation Elongation; Eukaryotic Translation Termination
Function	RNA binding; poly(A) RNA binding; protein binding; structural constituent of ribosome

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