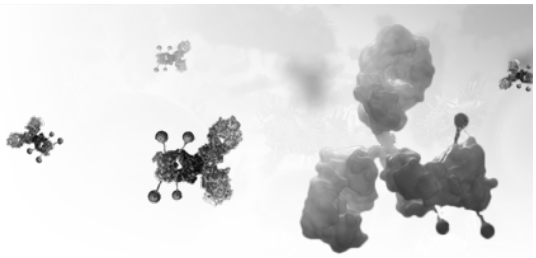

Anti-RPS14 (full length) polyclonal antibody (DPAB-DC2749)

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 S11P family of ribosomal proteins. It is located in the cytoplasm. Transcript variants utilizing alternative transcription initiation sites have been described in the literature. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. In Chinese hamster ovary cells, mutations in this gene can lead to resistance to emetine, a protein synthesis inhibitor. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.
Immunogen	RPS14 (AAH06784.1, 1 a.a. ~ 151 a.a) full-length recombinant protein with GST tag. The sequence is MAPRKGKEKKEEQVISLGPQVAEGENVFGVCHIFASFNDTFVHVTDLSGKETICRVTGGM KVKADRDESSPYAAMLAAQDVAQRCRELGITALHIKLRATGGNRTKTPGPGAQSALRALA RSGMKIGRTEDVTPIPSDSTRRKGGRRGRRL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

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

GENE INFORMATION

Gene Name	RPS14 ribosomal protein S14 [Homo sapiens (human)]
Official Symbol	RPS14
Synonyms	RPS14; ribosomal protein S14; S14; EMTB; 40S ribosomal protein S14; emetine resistance;
Entrez Gene ID	6208
Protein Refseq	NP_001020241
UniProt ID	P62263
Chromosome Location	5q31-q33
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; mRNA 5-UTR binding; poly(A) RNA binding; structural constituent of ribosome

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221