



# Anti-RPS23 (aa 44-143) polyclonal antibody (DPAB-DC2755)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 S12P family of ribosomal proteins. It is located in the cytoplasm. The protein shares significant amino acid similarity with <i>S. cerevisiae</i> ribosomal protein S28. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
<b>Immunogen</b>	RPS23 (NP_001016, 44 a.a. ~ 143 a.a) partial recombinant protein with GST tag. The sequence is ASHAKGIVLEKVGVEAKQPNSAIRKCVRVQLIKNGKKITAFVPNDGCLNFIEENDEV LVA GFGRKGHAVGDIPGVRFKVVKVANVSLLALYKGKKERPRS
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RPS23 ribosomal protein S23 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	RPS23
<b>Synonyms</b>	RPS23; ribosomal protein S23; S23; 40S ribosomal protein S23; homolog of yeast ribosomal protein S28;
<b>Entrez Gene ID</b>	<a href="#">6228</a>
<b>Protein Refseq</b>	<a href="#">NP_001016</a>
<b>UniProt ID</b>	<a href="#">A8K517</a>
<b>Chromosome Location</b>	5q14.2
<b>Pathway</b>	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
<b>Function</b>	poly(A) RNA binding; protein binding; structural constituent of ribosome;