



Anti-RPS5 (aa 106-204) polyclonal antibody (DPAB-DC2743)

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 S7P family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Immunogen	RPS5 (NP_001000, 106 a.a. ~ 204 a.a) partial recombinant protein with GST tag. The sequence is ENPLQVLVNAIINSGPREDSTRIGRAGTVRRQAVDVSP LRRVNQAIWLLCTGAREAAFRN IKTIAECLADELINA AKGSSNSYAIKKKDELERVAKSNR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RPS5 ribosomal protein S5 [Homo sapiens (human)]
Official Symbol	RPS5
Synonyms	RPS5; ribosomal protein S5; S5; 40S ribosomal protein S5;
Entrez Gene ID	6193
Protein Refseq	NP_001000
UniProt ID	A0A024R4Q8
Chromosome Location	19q13.4
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 binding; poly(A) RNA binding; structural constituent of ribosome