



Rabbit Anti-Human RPL22 Polyclonal antibody (DPABH-01053)

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

PRODUCT INFORMATION

Immunogen	RPL22 fusion protein, sequence: MAPVKKL VVKGGKKKKQVLKFTLDCTHPVEDGIMDAANFEQFLQERIKVNGKAGNLGGGV VTIERSKSKITVTSEVPFSKRYLKYLTKKYLKKNLRLDWLRVVANSKESYELRYFQINQD EEEEDEED (1-128aa encoded by BC058887)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB, IF, ELISA
Positive Control	A431 cells, HeLa cells, HepG2 cells, Jurkat cells
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Preservative	0.1% Sodium Azide
Storage	Store at -20°C. Aliquoting is unnecessary for -20°C storage.

BACKGROUND

Introduction

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 cytoplasmic ribosomal protein that is a component of the 60S subunit. The protein belongs to the L22E family of ribosomal proteins. Its initiating methionine residue is post-translationally removed. The protein can bind specifically to Epstein-Barr virus-encoded RNAs (EBERs) 1 and 2. The mouse protein has been shown to be capable of binding to heparin. Transcript variants utilizing alternative polyA signals exist. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. It was previously thought that this gene mapped to 3q26 and that it was fused to the acute myeloid leukemia 1 (AML1) gene located at 21q22 in some therapy-related myelodysplastic syndrome patients with 3;21 translocations; however, these fusions actually involve a ribosomal protein L22 pseudogene located at 3q26, and this gene actually maps to 1p36.3-p36.2.

Keywords

RPL22; ribosomal protein L22; EAP; L22; HBP15; HBP15/L22; 60S ribosomal protein L22; EBER-associated protein; heparin-binding protein 15; heparin-binding protein HBp15; Epstein-Barr-encoded RNA-associated protein; Epstein-Barr virus small RNA-associated protein;

GENE INFORMATION

Entrez Gene ID

[6146](#)

UniProt ID

[P35268](#)