

## Ribosomal Protein S13 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP07876
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human RPS13. AA range:71-120
<b>Mol wt</b>	17222
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Ribosomal Protein S13 Antibody
<b>Synonyms</b>	RPS13; 40S ribosomal protein S13

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

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. RPS13 (ribosomal protein S13) encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S15P family of ribosomal proteins. It is located in the cytoplasm. The protein has been shown to bind to the 5. S rRNA in rat. The gene product of the E.coli ortholog (ribosomal protein S15) functions at early steps in ribosome assembly. RPS13 is co-transcribed with two U14 small nucleolar RNA genes, which are located in its third and fifth introns. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of RPS13 dispersed through the genome.

### Recommended Dilution

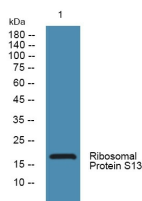
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

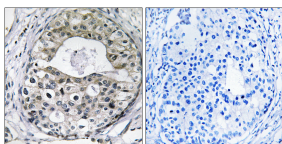
ELISA: 1: 40000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4<sup>o</sup>over night



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using RPS13 Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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