

## RPS14

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:20 - 1:200 IF 1:10 - 1:100

**Calculated MW:** 16kDa

**Observed MW:** Refer to figures

**Immunogen:**

A synthetic Peptide of human RPS14

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

S14; EMTB;

**Catalog #:** A4094

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 6208

**Isotype:** IgG

**Swiss Prot:** P62263

**Purity:** Affinity purification

For research use only.

**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. 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.

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