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## anti-RPS14 antibody

3 Images



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#### Overview

Quantity:	200 μL
Target:	RPS14
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS14 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### **Product Details**

Immunogen:	Recombinant fusion protein of human RPS14 (NP_005608.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## **Target Details**

Target:	RPS14
Alternative Name:	RPS14 (RPS14 Products)
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.

Molecular Weight:

Observed\_MW: 16 kDa

Calculated\_MW: 16 kDa

Gene ID:

6208

UniProt:

P62263

Pathways:

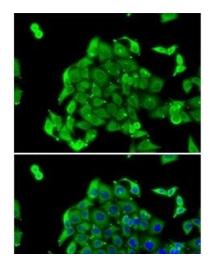
Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

### **Application Details**

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only

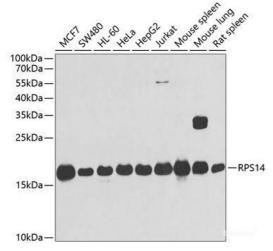
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



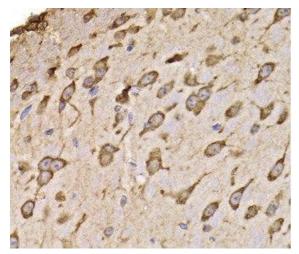
#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of MCF7 cells using RPS14 Polyclonal Antibody



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines using RPS14 Polyclonal Antibody at dilution of 1:1000.



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Mouse brain using RPS14 Polyclonal Antibody at dilution of 1:100 (40x lens).