

# RPS14 antibody

Catalog No: #39134

Package Size: #39134-1 50ul #39134-2 100ul

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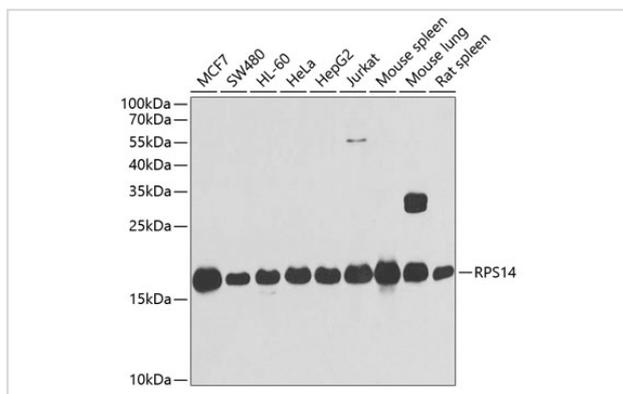
## Description

Product Name	RPS14 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total RPS14 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human RPS14.
Target Name	RPS14
Other Names	S14; EMTB;
Accession No.	Swiss-Prot#: P62263NCBI Gene ID: 6208
Uniprot	P62263
GeneID	6208;
SDS-PAGE MW	16kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

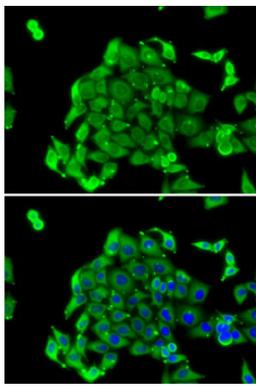
## Application Details

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

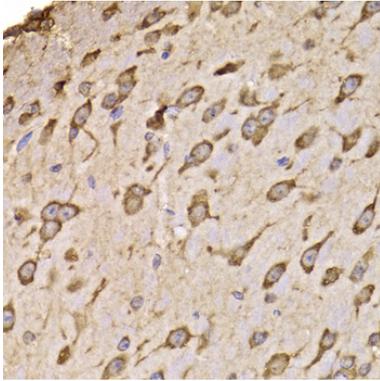
## Images



Western blot analysis of extracts of various cell lines, using RPS14 at 1:1000 dilution.



Immunofluorescence analysis of MCF7 cells using RPS14 .  
Blue: DAPI for nuclear staining.



Immunohistochemistry of paraffin-embedded mouse brain  
using RPS14 at dilution of 1:100 (40x lens).

## 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.

Note: This product is for in vitro research use only