Product Datasheet

# RPS13 Antibody

Catalog No: #34330

Package Size: #34330-1 50ul #34330-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

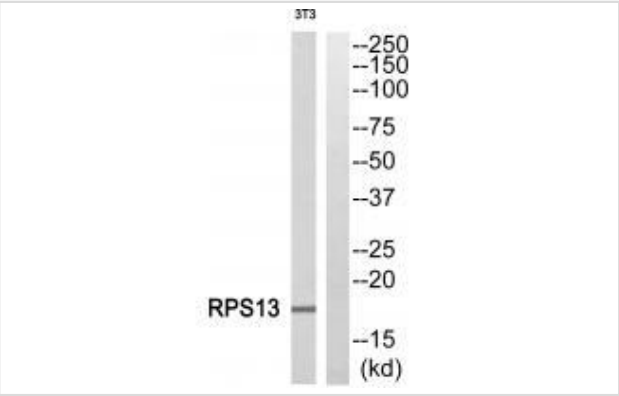
| | |
|---|---|
| Product Name | RPS13 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Applications | WB IHC |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous levels of total RPS13 protein. |
| Immunogen Type | Peptide |
| Immunogen Description | Synthesized peptide derived from internal of human RPS13. |
| Target Name | RPS13 |
| Other Names | 40S ribosomal protein S13; |
| Accession No. | Swiss-Prot: P62277NCBI Gene ID: 6207 |
| Uniprot | P62277 |
| GeneID | 6207; |
| SDS-PAGE MW | 17kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

## Application Details

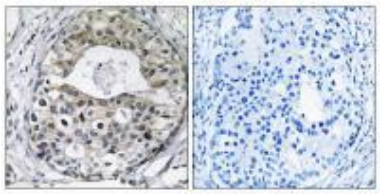
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

## Images




Western blot analysis of extracts from 3T3 cells, using RPS13 antiobdy #34330.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using RPS13 antibody #34330.

## 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 S15P family of ribosomal proteins. It is located in the cytoplasm. The protein has been shown to bind to the 5.8S rRNA in rat. The gene product of the E. coli ortholog (ribosomal protein S15) functions at early steps in ribosome assembly. This gene 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 this gene dispersed through the genome.

Rush J., Nat. Biotechnol. 23:94-101(2005).
Olsen J.V., Cell 127:635-648(2006).
Kenmochi N., Biochem. Biophys. Res. Commun. 228:371-374(1996).

Note: This product is for in vitro research use only