Recombinant RPS3 Monoclonal Antibody

catalog number: **AN301957L**

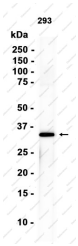
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of Human RPS3
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111578
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000
IHC-P	1:100
ICC	1:100

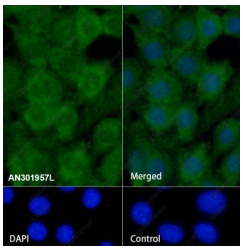
Data



Western blot analysis of 293 cell lysates using RPS3 Antibody (AN301957L) at a dilution of 1:1000.

Observed-MW:33 kDa

Calculated-MW:27 kDa



Immunofluorescence analysis of 3T3 cells using RPS3 Antibody(AN301957L). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

Ribosomal protein S3 (RPS3) is a component of the 40S ribosomal subunit and is involved in translation. HSP90 interacts with both the amino-terminus and carboxy-terminus of RPS3, preventing its ubiquitination and degradation and thereby retaining the integrity of the ribosome. RPS3 has also been shown to function as an endonuclease during DNA damage repair. Furthermore, overexpression of RPS3 sensitizes lymphocytic cells to cytokine-induced apoptosis, indicating a third role for RPS3 during apoptosis.

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