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Ribosomal Protein S2 Polyclonal Antibody
Catalog # AP72311

Specification

Ribosomal Protein S2 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	P15880
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

Ribosomal Protein S2 Polyclonal Antibody - Additional Information

Gene ID 6187

Other Names
RPS2; RPS4; 40S ribosomal protein S2; 40S ribosomal protein S4; Protein LLRep3

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Ribosomal Protein S2 Polyclonal Antibody - Protein Information

Name RPS2

Synonyms RPS4

Function
Component of the ribosome, a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399). The small ribosomal subunit (SSU) binds messenger RNAs (mRNAs) and translates the encoded message by selecting cognate aminoacyl-transfer RNA (tRNA) molecules (PubMed:23636399). The large subunit (LSU) contains the ribosomal catalytic site termed the peptidyl transferase center (PTC), which catalyzes the formation of peptide bonds, thereby polymerizing the amino acids delivered by tRNAs into a polypeptide chain (PubMed:23636399). The nascent polypeptides leave the ribosome through a tunnel in the LSU and interact with protein factors that function in enzymatic processing, targeting, and the membrane insertion of nascent chains at the exit of the ribosomal tunnel (PubMed:23636399). Plays a role in the assembly and function of the 40S ribosomal subunit (By similarity). Mutations in this protein affects the control of translational fidelity (By

similarity). Involved in nucleolar processing of pre-18S ribosomal RNA and ribosome assembly (By similarity).

Cellular Location
Cytoplasm. Nucleus, nucleolus. Note=Probably localized to nucleolus and cytoplasm in complex with ZNF277.

Ribosomal Protein S2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Ribosomal Protein S2 Polyclonal Antibody - Images