

RK05704

Leader in Biomolecular Solutions for Life Science



## [One Step] RPS4X Antibody Kit

Catalog No.: RK05704

### Basic Information

#### Applications

#### Cross-Reactivity

Human, Mouse, Rat

#### Observed MW

30kDa

#### Calculated MW

30kDa

#### Category

Antibody kit

### Background

Cytoplasmic ribosomes, 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 ribosomal protein S4, a component of the 40S subunit. Ribosomal protein S4 is the only ribosomal protein known to be encoded by more than one gene, namely this gene and ribosomal protein S4, Y-linked (RPS4Y). The 2 isoforms encoded by these genes are not identical, but are functionally equivalent. Ribosomal protein S4 belongs to the S4E family of ribosomal proteins. This gene is not subject to X-inactivation. It has been suggested that haploinsufficiency of the ribosomal protein S4 genes plays a role in Turner syndrome; however, this hypothesis is controversial. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

### Product Information

#### Source

Rabbit

#### Purification

#### Storage

Avoid repeated freeze-thaw cycles.

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Component & Recommended Dilutions

Catalog No.	Product Name	Dilutions
RK05704-1	RPS4X Rabbit pAb	30kDa
RK05704-2	HRP-conjugated Goat anti-Rabbit IgG (H+L)	30kDa

### Immunogen Information

#### Gene ID

6191

#### Swiss Prot

P62701

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 66-263 of human RPS4X (NP\_000998.1).

#### Synonyms

S4; eS4; CCG2; RPS4; SCAR; SCR10; DXS306; RPS4X