

## Datasheet: VPA00692

<b>Description:</b>	RABBIT ANTI RPS4X
<b>Specificity:</b>	RPS4X
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Immunogen</b>	KLH conjugated synthetic peptide encompassing part of human RPS4X (amino acids 209 - 243)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P62701</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6191</a>   RPS4X   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CCG2, RPS4, SCAR

**Specificity**

**Rabbit anti Human RPS4X antibody** recognizes the 40S ribosomal protein S4, X isoform, also known as cell cycle gene 2, SCAR, or single copy abundant mRNA protein.

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. RPS4X 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 RPS4X 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. RPS4X 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 RPS4X dispersed through the genome (provided by RefSeq, Jul 2008).

Rabbit anti Human RPS4X antibody detects a band of 30 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Rabbit anti RPS4X detects a band of approximately 30 kDa in HEK293 cell lysates

**Instructions For Use**

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

**Shelf Life**

As supplied, 12 months from date of despatch.

**Acknowledgements**

PrecisionAb™ is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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