

## Datasheet: VPA00701

<b>Description:</b>	RABBIT ANTI RIBOSOMAL PROTEIN SA
<b>Specificity:</b>	RIBOSOMAL PROTEIN SA
<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

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** 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 dependent on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <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
<b>Buffer Solution</b>	TRIS buffered glycine
<b>Preservative Stabilisers</b>	0.01% Thiomersal <50% Glycerol
<b>Immunogen</b>	Recombinant protein encompassing part of the middle region of human ribosomal protein SA
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P08865</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3921</a>   RPSA   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	LAMBR, LAMR1

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**Specificity** **Rabbit anti Human ribosomal protein SA antibody** recognizes the 40S ribosomal protein SA, also known as 37/67 kDa laminin receptor, LBP/p40, colon carcinoma laminin-binding protein, lamR or LBP.

Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Many of the effects of laminin are mediated through interactions with cell surface receptors. These receptors include members of the integrin family, as well as non-integrin laminin-binding proteins. RPSA gene encodes a high-affinity, non-integrin family, laminin receptor 1. This receptor has been variously called 67 kD laminin receptor, 37 kD laminin receptor precursor (37LRP) and p40 ribosome-associated protein. The amino acid sequence of laminin receptor 1 is highly conserved through evolution, suggesting a key biological function. It has been observed that the level of the laminin receptor transcript is higher in colon carcinoma tissue and lung cancer cell line than their normal counterparts. Also, there is a correlation between the upregulation of this polypeptide in cancer cells and their invasive and metastatic phenotype. Multiple copies of RPSA exist, however, most of them are pseudogenes thought to have arisen from retropositional events. Two alternatively spliced transcript variants encoding the same protein have been found for RPSA (provided by RefSeq, Jul 2008).

Rabbit anti Human ribosomal protein SA antibody detects a band of 38 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Rabbit anti ribosomal protein SA detects a band of approximately 43 kDa in Jurkat cell lysates

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

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety Information** Material Safety Datasheet documentation #20357 available at: Antibody (20357): <https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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