



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54683_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/rpsa-antibody-middle-region-fitc-arp54683-p050-fitc.html">www.avivasysbio.com/rpsa-antibody-middle-region-fitc-arp54683-p050-fitc.html</a>
Name	RPSA Antibody - middle region : FITC (ARP54683_P050-FITC)
Protein Size (# AA)	295 amino acids
Molecular Weight	33kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	3921
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Ribosomal protein SA
Alias Symbols	SA, LBP, LRP, p40, 67LR, ICAS, lamR, 37LRP, LAMBR, LAMR1, LRP/LR, LBP/p40, NEM/1CHD4
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">TFTNQIQAAFREPRLLVVDPRADHQPLTEASYVNLPTIALCNTDSPLRY</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Umeda,D., (2008) J. Biol. Chem. 283 (6), 3050-3058
Description of Target	RPSA is required for the assembly and/or stability of the 40S ribosomal subunit. RPSA is also required for the processing of the 20S rRNA-precursor to mature 18S rRNA in a late step of the maturation of 40S ribosomal subunits. Also functions as a cell surface receptor for laminin. RPSA plays a role in cell adhesion to the basement membrane and in the consequent activation of signaling transduction pathways. RPSA may play a role in cell fate determination and tissue morphogenesis. RPSA also acts as a receptor for several other ligands, including the pathogenic prion protein, viruses, and bacteria. 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. This 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 this gene 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 this gene.
Protein Interactions	UBC; SUMO2; MDM2; ZBTB1; RNF2; SUP35; rev; SYNCRIP; GNB2L1; DYNLL1; RPS28; RPS23; RPS21; RPS20; RPS18; RPS16; RPS13; RPS12; RPS9; RPS8; RPS5; RPS4X; RPS3A; RPS3; FAU; DYNC1LI2; PTBP1; PRUNE2; TSR1; XRCC6; HNRNPD; TARDBP; UBD; BAG3; PROS1; NKX3-1; ITGA4; I
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-RPSA (ARP54683_P050-FITC) antibody</a>
Blocking Peptide	For anti-RPSA (ARP54683_P050-FITC) antibody is <a href="#">Catalog # AAP54683</a> (Previous Catalog # AAPP36802)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human RPSA
Uniprot ID	<a href="#">P08865</a>

<b>Protein Name</b>	40S ribosomal protein SA
<b>Protein Accession #</b>	<a href="#">NP_002286</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_002295</a>
<b>Gene Symbol</b>	<a href="#">RPSA</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish
<b>Application</b>	IHC, WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 100%
<b>Image 1</b>	

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Optimal conditions of its use should be determined by end users.

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