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Anti-RPSA Picoband Antibody

Catalog # ABO11712

Specification

Anti-RPSA Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P08865
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for 40S ribosomal protein SA(RPSA) detection. Tested with WB in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-RPSA Picoband Antibody - Additional Information

Gene ID 3921

Other Names
40S ribosomal protein SA {ECO:0000255|HAMAP-Rule:MF_03016}, 37 kDa laminin receptor precursor {ECO:0000255|HAMAP-Rule:MF_03016}, 37LRP {ECO:0000255|HAMAP-Rule:MF_03016}, 37/67 kDa laminin receptor {ECO:0000255|HAMAP-Rule:MF_03016}, LRP/LR {ECO:0000255|HAMAP-Rule:MF_03016}, 67 kDa laminin receptor {ECO:0000255|HAMAP-Rule:MF_03016}, 67LR {ECO:0000255|HAMAP-Rule:MF_03016}, Colon carcinoma laminin-binding protein, Laminin receptor 1 {ECO:0000255|HAMAP-Rule:MF_03016}, LamR {ECO:0000255|HAMAP-Rule:MF_03016}, Laminin-binding protein precursor p40 {ECO:0000255|HAMAP-Rule:MF_03016}, LBP/p40 {ECO:0000255|HAMAP-Rule:MF_03016}, Multidrug resistance-associated protein MGr1-Ag, NEM/1CHD4, RPSA {ECO:0000255|HAMAP-Rule:MF_03016}, LAMBR, LAMR1

Calculated MW
32854 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cell membrane. Cytoplasm. Nucleus . 67LR is found at the surface of the plasma membrane, with its C-terminal laminin- binding domain accessible to extracellular ligands. 37LRP is found at the cell surface, in the cytoplasm and in the nucleus (By similarity). Colocalizes with PPP1R16B in the cell membrane. .

Protein Name
40S ribosomal protein SA

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived human RPSA recombinant protein (Position: S2-S138). Human RPSA shares 100% and 99.3% amino acid (aa) sequence identity with mouse and rat RPSA, respectively.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-RPSA Picoband Antibody - Protein Information

Name RPSA {ECO:0000255|HAMAP-Rule:MF_03016}

Synonyms LAMBR, LAMR1

Function
Required for the assembly and/or stability of the 40S ribosomal subunit. 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. Plays a role in cell adhesion to the basement membrane and in the consequent activation of signaling transduction pathways. May play a role in cell fate determination and tissue morphogenesis. Acts as a PPP1R16B-dependent substrate of PPP1CA.

Cellular Location
Cell membrane. Cytoplasm. Nucleus {ECO:0000255|HAMAP-Rule:MF_03016}. Note=67LR is found at the surface of the plasma membrane, with its C-terminal laminin-binding domain accessible to extracellular ligands. 37LRP is found at the cell surface, in the cytoplasm and in the nucleus (By similarity) Colocalizes with PPP1R16B in the cell membrane. {ECO:0000255|HAMAP-Rule:MF_03016}

Anti-RPSA Picoband 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

Anti-RPSA Picoband Antibody - Images

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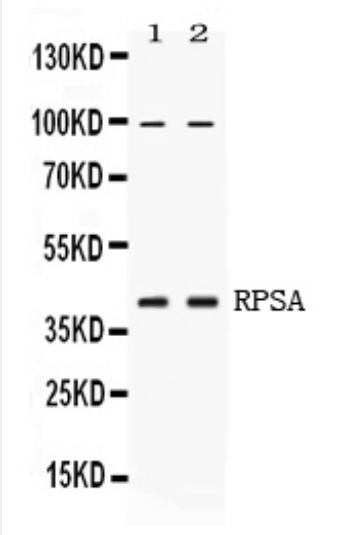

Western blot analysis of RPSA expression in HELA whole cell lysates (lane 1) and U2OS whole cell lysates (lane 2). RPSA at 40KD was detected using rabbit anti- RPSA Antigen Affinity purified polyclonal antibody (Catalog # ABO11712) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-RPSA Picoband Antibody - Background

Adipose differentiation-related protein, also known as perilipin 2 (PLIN2), ADRP or adipophilin, is a protein which in humans is encoded by the ADFP gene. The protein encoded by this gene belongs to the perilipin family, members of which coat intracellular lipid storage droplets. This protein is associated with the lipid globule surface membrane material, and maybe involved in development and maintenance of adipose tissue. However, it is not restricted to adipocytes as previously thought, but is found in a wide range of cultured cell lines, including fibroblasts, endothelial and epithelial cells, and tissues, such as lactating mammary gland, adrenal cortex, Sertoli and Leydig cells, and hepatocytes in alcoholic liver cirrhosis, suggesting that it may serve as a marker of lipid accumulation in diverse cell types and diseases. Alternatively spliced transcript variants have been found for this gene.