

Anti-Esrp-1/2 (MOUSE) Monoclonal Antibody - 210-301-C31S

Code: 210-301-C31S

Size: 25 µL

Product Description: Anti-Esrp-1/2 (MOUSE) Monoclonal Antibody - 210-301-C31S

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

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|-------------------------------|---|
| Label | Unconjugated |
| Host | Mouse |
| Gene Name | Esrp1, Esrp2 |
| Species Reactivity | Mouse |
| Buffer | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Stabilizer | None |
| Preservative | 0.01% (w/v) Sodium Azide |
| Storage Condition | Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing. |
| Synonyms | Rbm35a, Epithelial splicing regulatory protein 1, RNA-binding protein 35A, RNA-binding motif protein 35A, RNA-binding protein 35B, RNA-binding motif protein 35B. |
| Application Note | This protein-A purified antibody has been tested for use western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 75.5 kDa in size corresponding to Esrp-1 and 77.4 kDa in size corresponding to Esrp-2 by western blotting in the appropriate cell lysate or extract. |
| Background | Epithelial splicing regulatory protein 1 (Esrp-1) and Esrp-2 are mRNA splicing factors that regulate the formation of epithelial cell-specific isoforms. They specifically regulate the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2, and also regulates the splicing of CD44, CTNND1, ENAH, 3 transcripts that undergo changes in splicing during the epithelial-to-mesenchymal transition (EMT). Esrp-1 and -2 act by directly binding specific sequences in mRNAs. They bind the GU-rich sequence motifs in the ISE/ISS-3, a cis-element regulatory region present in the mRNA of FGFR2. |
| Purity And Specificity | This antibody was purified from tissue culture supernatant by Protein-A chromatography followed by extensive dialysis against the buffer stated above. This antibody reacts with both mouse Esrp-1 and Esrp-2 proteins. A BLAST analysis of the immunizing protein sequence shows 100% homology with Esrp-1 from mouse and a 91% sequence homology with Esrp-1 from human, pig, rat, opossum, horse, cattle, panda, dog, and chimpanzee. The binding epitope of this monoclonal antibody has not been mapped. |
| Assay Dilutions | User Optimized |
| ELISA | 1:750,000 |
| WESTERN BLOT | 1:1000 |
| OTHER ASSAYS | User Optimized |
| Expiration | Expiration date is three (3) months from date of opening. |
| Immunogen | Anti-Esrp-1/2 was produced by repeated immunizations of full length recombinant mouse Esrp-1 fusion protein. |
| General Reference | Warzecha C.C., Sato T.K., Nabet B., Hogenesch J.B., Carstens R.P. (2009). ESRP1 and ESRP2 are epithelial cell-type-specific regulators of FGFR2 splicing. Mol. Cell 33:591-601 |

Related Products

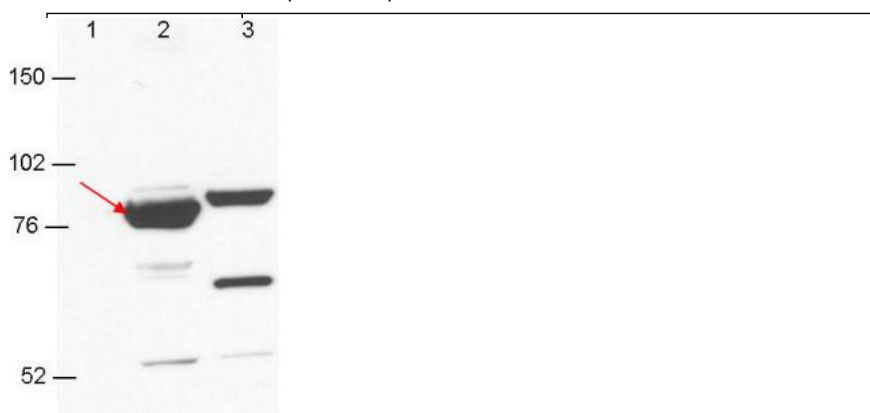
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|-------------|---|
| 210-301-B89 | Anti-Esrp-1 (MOUSE) Monoclonal Antibody - 210-301-B89 |
| 210-301-C32 | Anti-Esrp-2 (MOUSE) Monoclonal Antibody - 210-301-C32 |
| KBB-001 | 2X SDS-PAGE Sample Buffer - KBB-001 |

Related Links

Images

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Anti-Esrp-1/2 antibody by western blot shows detection in 293T cell extracts. Lane 1: GFP-transfected. Lane 2: Esrp-1 transfected (arrow). Lane 3: Esrp-2 transfected. Each lane contains approximately 5 µg of lysate. Primary antibody was used at a 1:1000 dilution in PBS-T plus milk, and reacted for 1hr at room temperature. The membrane was washed and reacted with a 1:10,000 dilution of an anti-mouse ECL antibody for 1hr at room temperature. Molecular weight estimation was made by comparison to prestained MW markers.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.