

Product datasheet for TA397254S

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Esrp2 Mouse Monoclonal Antibody [Clone ID: 22C5.H7.A6]

Product data:

Product Type: Primary Antibodies

Clone Name: 22C5.H7.A6

Applications: ELISA, WB

Recommended Dilution: WB: 1:1000

ELISA: 1:100,000

Reactivity: Mouse
Host: Mouse

Isotype: IgG2a, kappa
Clonality: Monoclonal

Immunogen: Anti-Esrp-2 is produced by repeated immunizations of full length recombinant mouse Esrp-2

fusion protein.

Specificity: This product is an IgG fraction antibody purified from tissue culture supernatant by Protein-A

chromatography followed by extensive dialysis against the buffer stated above. This antibody reacts with mouse Esrp-2 protein. A BLAST analysis was used to suggest cross-reactivity with Esrp-2 from mouse based on a 100% homology with the immunizing sequence. Cross-

reactivity with Esrp-2 from other sources has not been determined.

Formulation: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Concentration: 1.0 mg/mL - lot specific

Conjugation: Unconjugated

Storage: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of

reagent (25 μ L). To minimize loss of volume dilute 1:10 by adding 225 μ L 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.

Stability: Expiration date is three (3) months from date of receipt.

Gene Name: epithelial splicing regulatory protein 2



Esrp2 Mouse Monoclonal Antibody [Clone ID: 22C5.H7.A6] - TA397254S

Database Link: Entrez Gene 77411 Mouse

Q8K0G8

Background: Epithelial splicing regulatory protein 2 (Esrp-2) is an mRNA splicing factor that regulates the

formation of epithelial cell-specific isoforms. It specifically regulates 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-2 acts by directly binding specific sequences in mRNAs. It binds the GU-rich sequence motifs in the ISE/ISS-3, a cis-element regulatory region present in

the mRNA of FGFR2.

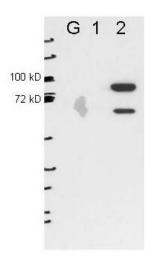
Synonyms: mouse anti-Esrp2 antibody, mouse anti-Ersp-2 antibody, RNA-binding protein 35B, RNA-

binding motif protein 35B

Note: Anti-Esrp-2 protein A purified antibody has been tested for use western blotting and ELISA.

This antibody shows specific reactivity by with ESRP2 transfected cell lysates. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 77.4 kDa in size corresponding to Esrp-2 by western blotting in the appropriate cell lysate or extract. The antibody shows bands at ~77kD and 70kD and no reactivity is observed in cells transfected with GFP or ESRP1. A starting dilution of 1:1000 is suggested for western blotting.

Product images:



Anti-ESRP2 by western blot shows detection of ESRP2 in lane 2. Lane G: GFP-transfected-293T cell extract, Lane 1: ESRP1-transfected 293T cell extract, Lane 2: ESRP2-transfected 293T cell extract. Briefly, each lane contains approximately 5 µg of lysate. Primary antibody was used at a 1:1000 dilution (PBS-T plus milk) and reacted for O/N at 4C. The membrane was washed and reacted with a 1:10,000 dilution of an anti-mouse ECL antibody for 1hr at room temperature. The bands shown are full length FLAG-ESRP2 (~80kDa) and a slightly lower band that is specific to ESRP2. Molecular weight estimation was made by comparison to prestained MW markers.