

Datasheet for ABIN964643

**anti-ESRP2 antibody**[Go to Product page](#)**1** Image**2** Publications

## Overview

Quantity:	100 µg
Target:	ESRP2
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Anti-Esrp-2 is produced by repeated immunizations of full length recombinant mouse Esrp-2 fusion protein. Immunogen Type: RecombinantProtein
Clone:	22C5-H7-A6
Isotype:	IgG2a kappa
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.
Characteristics:	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-

## Product Details

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.

Purification: purified

Sterility: Sterile filtered

## Target Details

Target: ESRP2

Alternative Name: Esrp-2 ([ESRP2 Products](#))

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: RNA-binding protein 35B, RNA-binding motif protein 35B.

Gene ID: 77411

NCBI Accession: [NP\\_789808](#)

UniProt: [Q8K0G8](#)

## Application Details

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

Comment: Gene Name: Esrp2

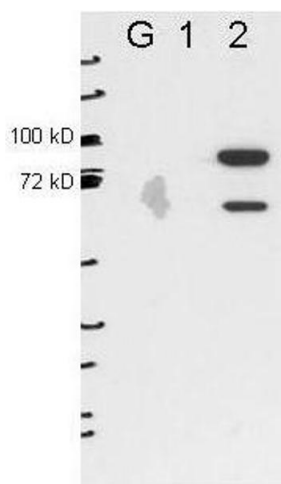
Restrictions: For Research Use only

## Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months

## Publications

Product cited in:	<p>Legros, Lacabanne, dAgay, Larsen, Pla, Soussi: "Production of human p53 specific monoclonal antibodies and their use in immunohistochemical studies of tumor cells." in: <b>Bulletin du cancer</b>, Vol. 80, Issue 2, pp. 102-10, (1994) (<a href="#">PubMed</a>).</p> <p>Vogelstein: "Cancer. A deadly inheritance." in: <b>Nature</b>, Vol. 348, Issue 6303, pp. 681-2, (1991) (<a href="#">PubMed</a>).</p> <p>Diller, Kassel, Nelson, Gryka, Litwak, Gebhardt, Bressac, Ozturk, Baker, Vogelstein: "p53 functions as a cell cycle control protein in osteosarcomas." in: <b>Molecular and cellular biology</b>, Vol. 10, Issue 11, pp. 5772-81, (1990) (<a href="#">PubMed</a>).</p> <p>Yewdell, Gannon, Lane: "Monoclonal antibody analysis of p53 expression in normal and transformed cells." in: <b>Journal of virology</b>, Vol. 59, Issue 2, pp. 444-52, (1986) (<a href="#">PubMed</a>).</p>
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### Western Blotting

**Image 1.** Anti-ESRP2 by western blot shows detection of ESRP2 in transfected 293T cell extracts (lane 2). Lanes G and 1 contain 5ug GFP-transfected- and ESRP1-transfected 293T cell lysates, respectively. Briefly, each lane contains approximately 5  $\mu$ g 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.