

Anti-Esrp-2 Monoclonal Antibody

Catalog Number: M08004

About ESRP2

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.

Overview

Product Name	Anti-Esrp-2 Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Esrp-2 Monoclonal Antibody (Catalog # M08004). Tested in ELISA, WB applications. This antibody reacts with Mouse.
Application	ELISA, WB
Clonality	Monoclonal Clone: 22C5.H7.A6 IgG2a kappa
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. 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. (Ship on dry ice.)
Host	Mouse
Uniprot ID	Q8K0G8

Technical Details

Immunogen	Anti-Esrp-2 is produced by repeated immunizations of full length recombinant mouse Esrp-2 fusion protein.
Predicted Reactive Species	Chimpanzee, Macaque
Isotype	IgG2a kappa
Form	Liquid (sterile filtered)
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	Anti-Esrp-2 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.

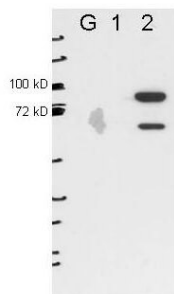
Suggested Dilutions

ELISA: 1:100,000

WB: 1:1000

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.

Anti-Esrp-2 Monoclonal Antibody (M08004) 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 μ 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.

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Anti-Esrp-2 Monoclonal Antibody

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