

Anti-Esrp-1/2 Esrp2 Monoclonal Antibody

Catalog Number: M06068-4

About ESRP1/ESRP2

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.

Overview

Product Name	Anti-Esrp-1/2 Esrp2 Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Esrp-1/2 Esrp2 Monoclonal Antibody (Catalog # M06068-4). Tested in WB applications. This antibody reacts with Mouse.
Conjugate	Fluorescein
Application	ELISA, WB
Clonality	Monoclonal Clone: 23A7.C9
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 or below prior to opening. This vial contains a relatively low volume of reagent (25 uL). To minimize loss of volume dilute 1:10 by adding 225 uL 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. Expiration date is three (3) months from date of opening. (Ship on dry ice.)
Host	Mouse
Uniprot ID	Q8K0G8

Technical Details

Immunogen	Anti-Esrp-1/2 was produced by repeated immunizations of full length recombinant mouse Esrp-1 fusion protein.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG2b kappa
Form	Liquid (sterile filtered)

Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	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.
Suggested Dilutions	ELISA: 1:750,000 WB: 1:1000 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.

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