

EPST11 (C-20): sc-84102

BACKGROUND

EPST11 (epithelial-stromal interaction protein 1), also known as BRES11, is a 318 amino acid protein that is highly expressed in spleen, placenta, small intestine, liver, kidney, thymus, testis and salivary gland. Existing as three isoforms that are formed due to alternative splicing events, EPST11 is weakly expressed in normal breast tissue, but is heavily upregulated in breast carcinoma, suggesting an important role for EPST11 in tumor formation and/or progression. Additionally, EPST11 is found in blood cells from systemic lupus erythematosus (SLE)-afflicted patients, implicating EPST11 as a potential protein involved in SLE.

REFERENCES

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- Gudjonsson, T., Rønnev-Jessen, L., Villadsen, R., Bissell, M.J. and Petersen, O.W. 2003. To create the correct microenvironment: three-dimensional heterotypic collagen assays for human breast epithelial morphogenesis and neoplasia. *Methods* 30: 247-255.
- Dunham, A., Matthews, L.H., Burton, J., Ashurst, J.L., Howe, K.L., Ashcroft, K.J., Beare, D.M., Burford, D.C., Hunt, S.E., Griffiths-Jones, S., Jones, M.C., Keenan, S.J., Oliver, K., Scott, C.E., Ainscough, R., Almeida, J.P., et al. 2004. The DNA sequence and analysis of human chromosome 13. *Nature* 428: 522-528.

CHROMOSOMAL LOCATION

Genetic locus: EPST11 (human) mapping to 13q14.11.

SOURCE

EPST11 (C-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of EPST11 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-84102 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

APPLICATIONS

EPST11 (C-20) is recommended for detection of EPST11 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for EPST11 siRNA (h): sc-105335, EPST11 shRNA Plasmid (h): sc-105335-SH and EPST11 shRNA (h) Lentiviral Particles: sc-105335-V.

Molecular Weight of EPST11: 37 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

For research use only, not for use in diagnostic procedures.



Try **EPST11 (ZZ4): sc-100657**, our highly recommended monoclonal alternative to EPST11 (C-20).