bs-17247R **[Primary Antibody]**

SBEM Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 118430 **SWISS:** Q96DR8

Target: SBEM

Immunogen: KLH conjugated synthetic peptide derived from human SBEM: 51-90/90.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: SBEM is a 90 amino acid secreted membrane protein that may play a role as marker for the diagnosis of metastatic breast cancer. SBEM contains three tandem copies of a neutral octapeptide core repeat, and its N- and C-terminal regions are charged and fairly polar. These features are similar to many sialomucins, although the SBEM protein lacks a transmembrane domain and is shorter than most other known epithelial mucins. Expressed in mammary, salivary glands, prostate and also in lung, SBEM is mainly expressed in cancer cell lines of breast origin. SBEM is also highly expressed in lymph node-positive compared with node-negative tumors and in all lymph node containing metastatic cells. The SBEM gene is conserved in chimpanzee, cow, mouse, rat, chicken, zebrafish, C.elegans and M.grisea, and maps to human chromosome 12q13.2.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human)

Predicted MW.: 7 kDa

Subcellular Location: Secreted ,Cell membrane

SELECTED CITATIONS

- **[IF=8.408]** Hu Xi'e. et al. Clinical and biological heterogeneities in triple-negative breast cancer reveals a non-negligible role of HER2-low. BREAST CANCER RES. 2023 Dec;25(1):1-22 IF ;Human. 36998014