10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SBEM Rabbit pAb

SBEM Rabbit pAb
Catalog # AP56623

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96DR8
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	9039
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SBEM
Epitope Specificity	51-90/90
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	O-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	118430
Other Names	Mucin-like protein 1, Protein BS106, Small breast epithelial mucin, MUCL1, SBEM
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MUCL1
Synonyms	SBEM
Function	May play a role as marker for the diagnosis of metastatic breast cancer.
Cellular Location	Secreted. Membrane
Tissue Location	Expressed in mammary, salivary glands and prostate. Also detected in lung. Mainly expressed in cancer cell lines of breast origin. Highly expressed in lymph node-positive compared with node- negative tumors. Detected in all lymph node containing metastatic cells.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.