

**SBEM Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56623****Specification**

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**SBEM Polyclonal Antibody - Product Information**

|                                  |   |
|----------------------------------|---|
| Application                      | IHC-P, IHC-F, IF, ICC, E  |
| Primary Accession                | <a href="#">Q96DR8</a>  |
| Host                             | Rabbit  |
| Clonality                        | Polyclonal  |
| Calculated MW                    | 7 KDa   |
| Physical State                   | Liquid  |
| Immunogen                        | KLH conjugated synthetic peptide derived from human SBEM  |
| Epitope Specificity              | 51-90/90  |
| Isotype                          | IgG   |
| <b>Purity</b>                    |   |
| affinity purified by Protein A   |   |
| Buffer                           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.   |
| SUBCELLULAR LOCATION             | O-glycosylated.   |
| Post-translational modifications | 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.

**SBEM Polyclonal Antibody - Additional Information****Gene ID** 118430**Other Names**

Mucin-like protein 1, Protein BS106, Small breast epithelial mucin, MUCL1, SBEM

**Target/Specificity**

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.

**Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**SBEM Polyclonal Antibody - 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.

**SBEM Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SBEM Polyclonal Antibody - Images**