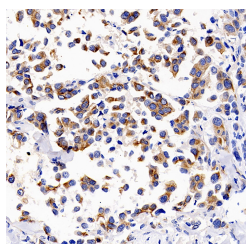


## BSG Polyclonal Antibody

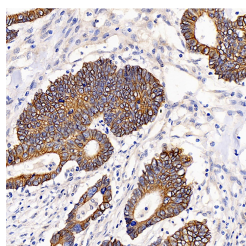
|                     |   |                   |        |
|---------------------|---|-------------------|--------|
| <b>Catalog No.</b>  | E-AB-70271                                  | <b>Reactivity</b> | H,M,R  |
| <b>Storage</b>      | Store at -20°C. Avoid freeze / thaw cycles. | <b>Host</b>       | Rabbit |
| <b>Applications</b> | IHC   | <b>Isotype</b>    | IgG    |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

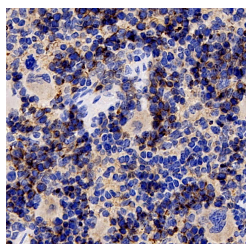
### Images



Immunohistochemistry analysis of paraffin-embedded human lung cancer using BSG Polyclonal Antibody at dilution of 1:200.



Immunohistochemistry analysis of paraffin-embedded human colon cancer using BSG Polyclonal Antibody at dilution of 1:200.



Immunohistochemistry analysis of paraffin-embedded rat spleen using BSG Polyclonal Antibody at dilution of 1:200.

### Immunogen Information

|                  |  |
|------------------|--|
| <b>Immunogen</b> | Recombinant protein corresponding to Mouse CD147 |
| <b>Swissprot</b> | P35613,P18572,P26453                             |
| <b>Synonyms</b>  | BSG, 5F7, CD147, EMMPRIN, M6, OK, TCSF, basigin  |

### Product Information

|                 |  |
|-----------------|--|
| <b>Buffer</b>   | PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4 |
| <b>Purify</b>   | Affinity purification  |
| <b>Dilution</b> | IHC 1:200-1:500  |

### Background

BSG, also named as 5F7, Basigin, EMMPRIN, TCSF and CD147, plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. It stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). CD147 may target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. It seems to be a receptor for oligomannosidic glycans. CD147 is a receptor of CypA, inducing matrix metalloproteinase expression and mediating the degradation of the extracellular matrix, plays an important role in tumorigenesis and invasion in oral cancer. It has been considered as an objective and effective marker to predict invasion and prognosis in various cancers.

#### For Research Use Only

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.