

BSG

Reactivity: Human Mouse

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 42kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human BSG

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

5F7; CD147; EMMPRIN; M6; OK; TCSF;

Catalog #: A1566

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 682

Isotype: IgG

Swiss Prot: P35613

Purity: Affinity purification

For research use only.

Background:

Basigin (EMMPRIN, CD147) is a type I integral membrane receptor protein belonging to the immunoglobulin superfamily (1). Basigin is a glycosylated protein with four known isoforms, of which isoform 2 is the most abundantly expressed (2). Multiple functions have been ascribed to Basigin; foremost among these is stimulating the secretion of extracellular matrix metalloproteinases by adjacent fibroblasts, a function which has been implicated in promoting tumor progression (2-4). Research studies have shown that Basigin is overexpressed by many tumor cells, and its expression level may correlate with tumor malignancy (5,6). A recent study identified the BASIGIN gene as a regulatory target of Slug, suggesting a role for Basigin in the process of epithelial-mesenchymal transition (7). Basigin has also been identified as a marker for a subset of highly suppressive regulatory T cells (8), and as an obligate receptor for the malarial parasite Plasmodium falciparum on human erythrocytes (9).

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