

Rabbit anti-Human, Mouse BSG Polyclonal Antibody | anti-BSG antibody

BSG Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA166191	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

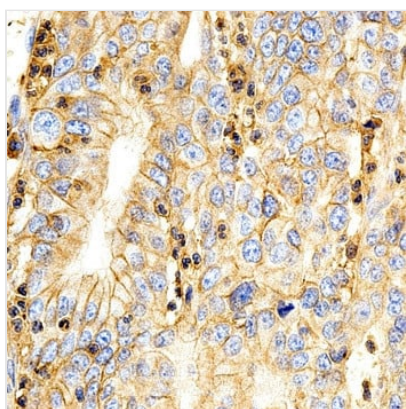
PRODUCT SYNONYMS

BSG; Polyclonal Antibody; BSG Antibody; 5F7; CD147; EMMPRIN; M6; OK; TCSEF; anti-BSG antibody

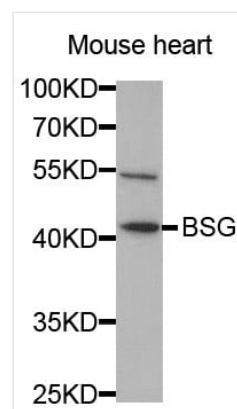
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	269
Applicable Applications for anti-BSG antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human BSG
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach cancer using BSG antibody at dilution of 1:200 (x400 lens)


WB (Western Blot)

Western blot analysis of extracts of mouse heart cell lines, using BSG antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BSG antibody	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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NCBI AND UNIPROT INFORMATION

NCBI GI #	38372925
NCBI GeneID	682
NCBI Accession #	NP_940991.1
NCBI GenBank Nucleotide #	NM_198589.2
Molecular Weight	22,764 Da
NCBI Official Full Name	basigin isoform 2
NCBI Official Synonym Full Names	basigin (Ok blood group)
NCBI Official Symbol	BSG
NCBI Official Synonym Symbols	M6; OK; 5F7; TCSF; CD147; EMMPRIN
NCBI Protein Information	basigin; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; extracellular matrix metalloproteinase inducer; leukocyte activation antigen M6; tumor cell-derived collagenase stimulatory factor
UniProt Protein Name	Basigin
UniProt Gene Name	BSG
UniProt Synonym Gene Names	EMMPRIN; TCSF
UniProt Entry Name	BASI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.