

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

BSG Polyclonal Antibody

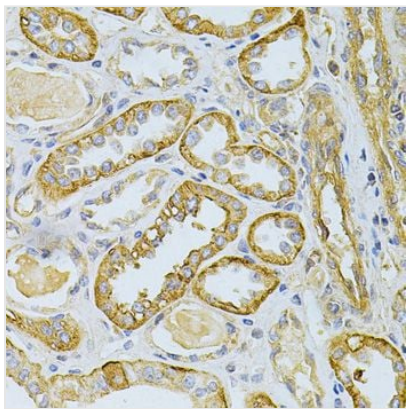
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10682	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

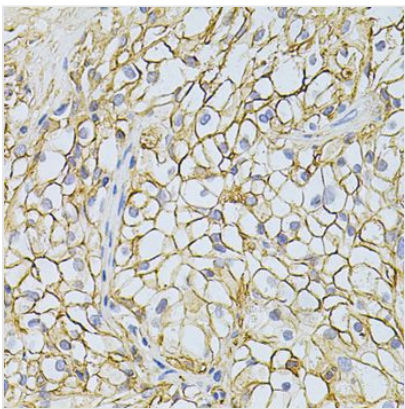
BSG; Polyclonal Antibody; BSG Polyclonal Antibody; 5F7; CD147; EMMPRIN; M6; OK; TCSF; anti-BSG antibody

PRODUCT SPECIFICATIONS

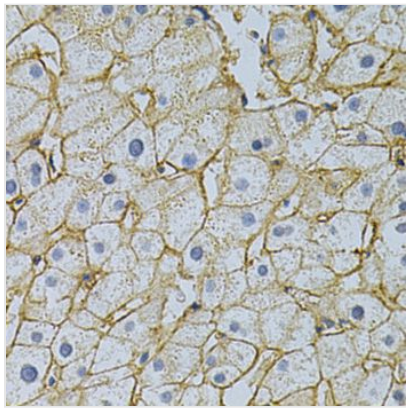
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	385
Applicable Applications for anti-BSG antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human BSG
Calculated Molecular Weight	42kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



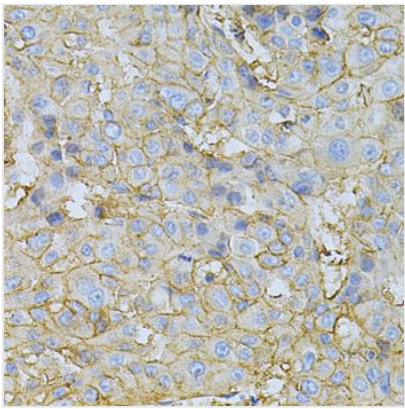
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney cancer using BSG Antibody at dilution of 1:200 (40x lens).



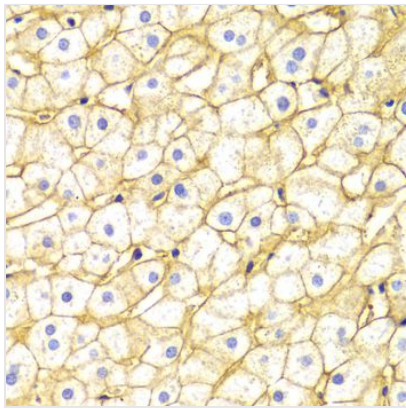
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney using BSG Antibody at dilution of 1:200 (40x lens).



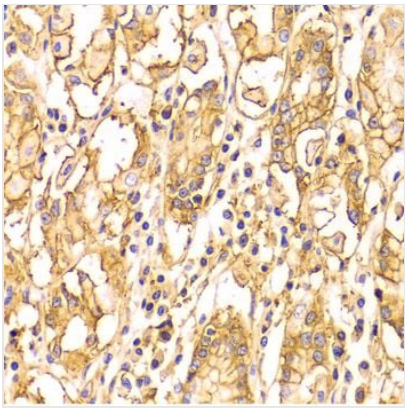
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver injury using BSG Antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver cancer using BSG Antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver injury using BSG Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human stomach using BSG Antibody at dilution of 1:100 (40x lens).

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).
Product Categories/Family for anti-BSG antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	51704273
NCBI GeneID	682
UniProt Accession #	P35613; Q7Z796; Q8IZL7; A6NJW1; D3YLG5
Molecular Weight	385
NCBI Official Full Name	Basigin
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; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bsg-antibody-western-blot-immunohistochemistry-elisa/10682>