

Rabbit anti-Human CD147 Polyclonal Antibody | anti-BSG antibody

Anti-CD147 Antibody, Rabbit Polyclonal

CATALOG # AAA254655	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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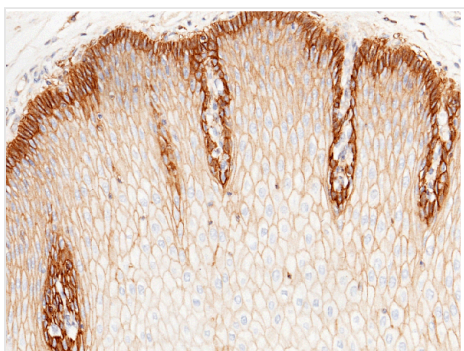
PRODUCT SYNONYMS

CD147; Polyclonal Antibody; Anti-CD147 Antibody; Rabbit Polyclonal; CD147/EMMPRIN/Basigin Antibody; Rabbit PAb; Antigen Affinity Purified; basigin (Ok blood group); Anti-5F7 Antibody; Anti-Basigin Antibody; Anti-EMMPRIN Antibody; Anti-M6 Antibody; Anti-OK Antibody; Anti-TCSF Antibody; anti-BSG antibody

PRODUCT SPECIFICATIONS

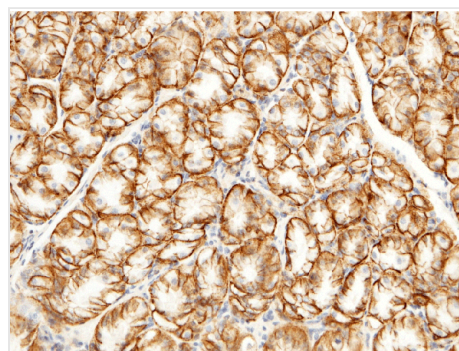
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CD147/Basigin/BSG
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-BSG antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human CD147 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CD147. (rhCD147). CD147 specific IgG was purified by human CD147 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human CD147 in human esophagus with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections). The image showing membrane staining of squamous epithelium cell.



IHC (Immunohistochemistry)

Immunochemical staining of human CD147 in human stomach with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections). The image showing membrane staining of epithelium cell.

ADDITIONAL INFORMATION

Related Product Information for anti-BSG antibody	CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilinthe and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.
References	Tang Y, et al. (2004) Tumor-stroma interaction: positive feedback regulation of extracellular matrix metalloproteinase inducer (EMMPRIN) expression and matrix metalloproteinase-dependent generation of soluble EMMPRIN. Mol Cancer Res. 2(2): 73-80.Wilson MC, et al. (2005) Basigin (CD147) is the target for organomercurial inhibition of monocarboxylate transporter isoforms 1 and 4: the ancillary protein for the insensitive MCT2 is EMBIGIN (gp70). J Biol Chem. 280(29): 27213-21.Curtin KD, et al. (2005) Basigin (EMMPRIN/CD147) interacts with integrin to affect cellular architecture. J Cell Sci. 118(Pt 12): 2649-60.Zhu H, et al. (2009) A novel antibody fragment targeting HAb18G/CD147 with cytotoxicity and decreased immunogenicity. Cancer Biol Ther. 8(11): 1035-44. Zhu H, et al. (2009) A novel antibody fragment targeting HAb18G/CD147 with cytotoxicity and decreased immunogenicity. Cancer Biol Ther. 8(11): 1035-44.Seizer P, et al. (2009) EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. Thromb Haemost. 101(4): 682-6.Moonsom S, et al. (2010) A Competitive ELISA for Quantifying Serum CD147: Reduction of Soluble CD147 Levels in Cancer Patient Sera. Hybridoma (Larchmt). 29(1): 45-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38372925
NCBI GeneID	682
NCBI Accession #	NP_940991.1
NCBI GenBank Nucleotide #	NM_198589.2
UniProt Accession #	P35613; Q7Z796; Q8IZL7; A6NJW1; D3YLG5
Molecular Weight	42,200 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; 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.