OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF501164

CD147 (BSG) Mouse Monoclonal Antibody [Clone ID: OTI9H5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9H5
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:1500~3000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog, Rat, Monkey
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BSG(NP_001719) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40.2 kDa
Gene Name:	basigin (Ok blood group)
Database Link:	NP_001719 Entrez Gene 25246 RatEntrez Gene 476758 DogEntrez Gene 721068 MonkeyEntrez Gene 682 Human P35613

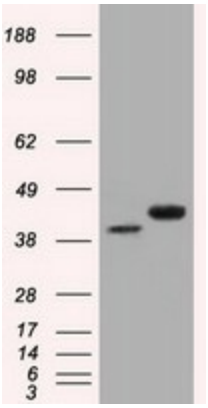
View online »

Background: The protein encoded by this gene is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. The encoded protein is also a member of the immunoglobulin superfamily. Multiple transcript variants encoding different isoforms have been found for this gene.

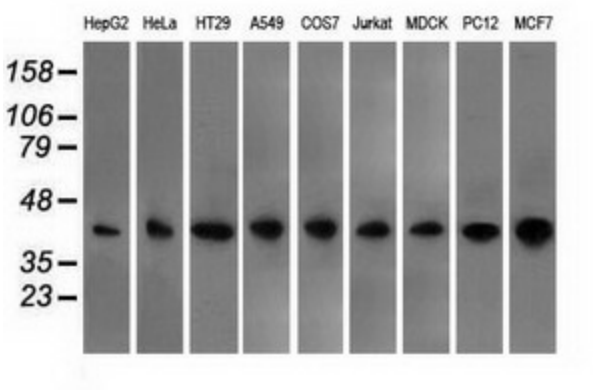
Synonyms: 5F7; CD147; EMMPRIN; EMPRIN; HAb18G; OK; SLC7A11; TCSF

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

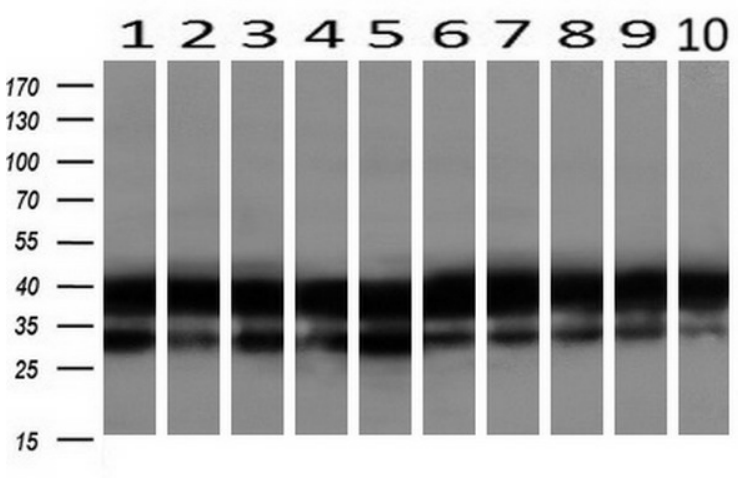
Product images:



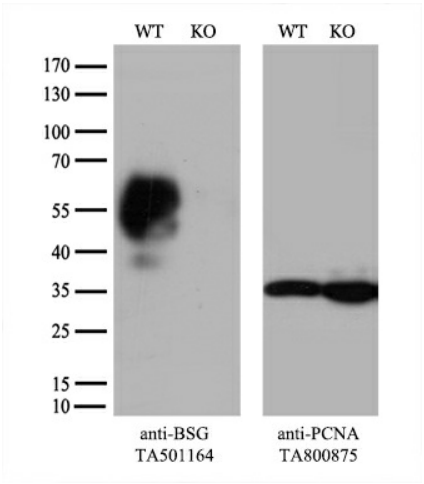
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BSG ([RC219464], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BSG. Positive lysates [LY419777] (100ug) and [LC419777] (20ug) can be purchased separately from OriGene.



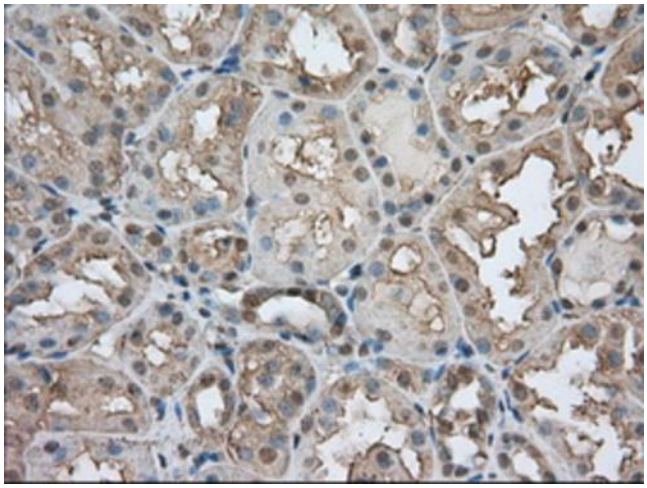
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-BSG monoclonal antibody.



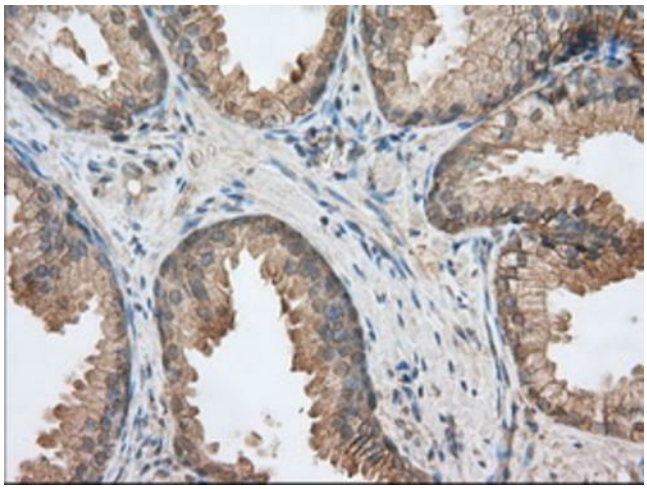
Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-BSG monoclonal antibody at 1:500 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon;10: spleen).



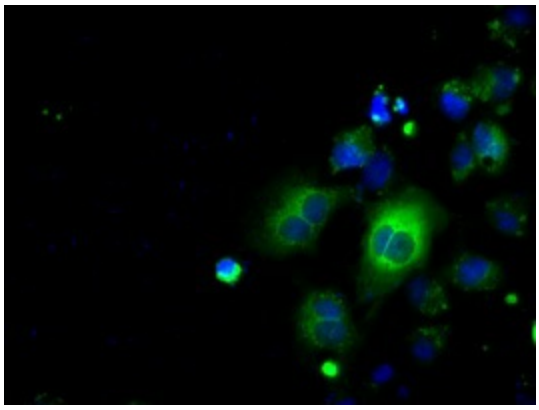
Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and BSG-Knockout 293T cells (KO, Cat#[LC810433]) were separated by SDS-PAGE and immunoblotted with anti-BSG monoclonal antibody [TA501164] (1:2000`). Then the blotted membrane was stripped and reprobed with anti-PCNA antibody as a loading control.



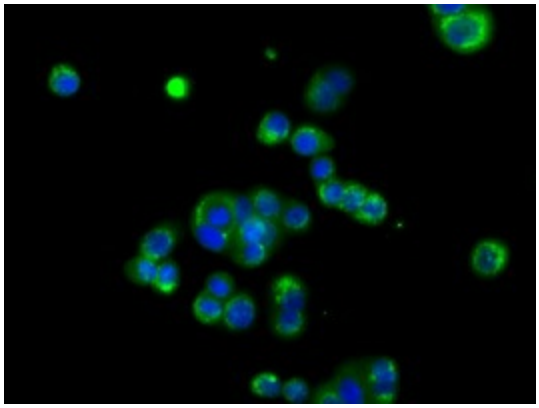
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-BSG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501164], Dilution 1:50)



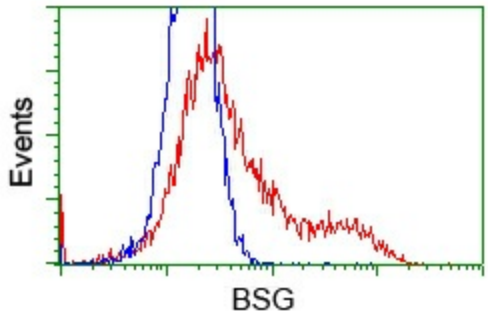
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-BSG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501164], Dilution 1:50)



Anti-BSG mouse monoclonal antibody ([TA501164]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BSG ([RC219464]).



Immunofluorescent staining of HT29 cells using anti-BSG mouse monoclonal antibody ([TA501164]).



HEK293T cells transfected with either [RC219464] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BSG antibody ([TA501164]), and then analyzed by flow cytometry.