
Product Name: KD-Validated Basigin (Ok Blood Group) Mouse Monoclonal Antibody
Catalog #: KVAAb00703

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 42.2kDa

Antigen Information

Gene Name	BSG
Alternative Names	BSG; Basigin (Ok Blood Group); EMMPRIN; Tumor Cell-Derived Collagenase Stimulatory Factor; Extracellular Matrix Metalloproteinase Inducer; Basigin; EMPRIN; CD147; Leukocyte Activation Antigen M6; Collagenase Stimulatory Factor; Hepatoma-Associated Antigen; OK Blood Group Antigen; HAntibody18G; TCSF; 5F; Ok Blood Group; CD147 Antigen
Gene ID	682.0
SwissProt ID	P35613
Immunogen	Recombinant protein of human BSG

Background

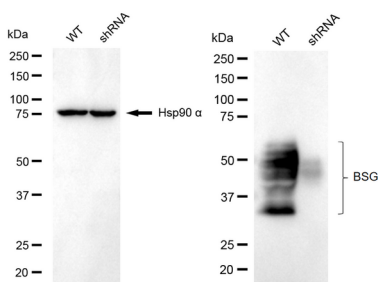
The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo

implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2020]

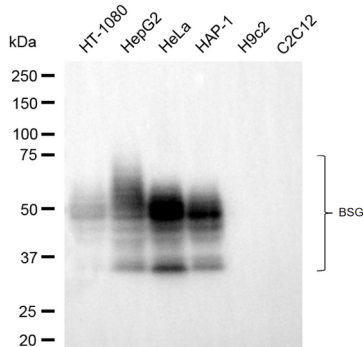
Research Area

Immunology, Neuroscience, Microbiology, Cancer, Metabolism, Cardiovascular

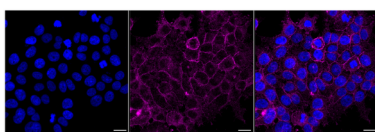
Image Data



Western blotting analysis using BSG antibody (KVA00703). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BSG antibody (KVA00703, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with BSG antibody (KVA00703, 1:1,000). Nuclei were stained blue with DAPI; BSG was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and Smart Gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of BSG expression in HeLa cells using BSG antibody (KVA00703, 1:2,000). Green, isotype control; red, BSG.

