

BSG Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17142c**Specification**

BSG Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P35613](#)**BSG Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 682**Other Names**

Basigin, 5F7, Collagenase stimulatory factor, Extracellular matrix metalloproteinase inducer, EMMPRIN, Leukocyte activation antigen M6, OK blood group antigen, Tumor cell-derived collagenase stimulatory factor, TCSF, CD147, BSG

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BSG Antibody (Center) Blocking Peptide - Protein Information**Name** BSG ([HGNC:1116](#))**Function**

[Isoform 1]: Essential for normal retinal maturation and development (By similarity). Acts as a retinal cell surface receptor for NXNL1 and plays an important role in NXNL1-mediated survival of retinal cone photoreceptors (PubMed:25957687). In association with glucose transporter SLC16A1/GLUT1 and NXNL1, promotes retinal cone survival by enhancing aerobic glycolysis and accelerating the entry of glucose into photoreceptors (PubMed:25957687). May act as a potent stimulator of IL6 secretion in multiple cell lines that include monocytes (PubMed:21620857).

Cellular Location

Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. [Isoform 2]: Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P26453}. Endosome Endoplasmic reticulum membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P26453} Basolateral cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P26453} [Isoform 4]: Cell

membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P26453}

Tissue Location

[Isoform 1]: Retina-specific (PubMed:25957687). Expressed in retinal cone photoreceptors (at protein level) (PubMed:25957687). [Isoform 3]: Highly expressed in the bone marrow, fetal liver, lung, testis and thymus.

BSG Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

BSG Antibody (Center) Blocking Peptide - Images**BSG Antibody (Center) Blocking Peptide - Background**

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

BSG Antibody (Center) Blocking Peptide - References

Bao, W., et al. Am. J. Physiol., Cell Physiol. 299 (5), C1212-C1219 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Rucci, N., et al. Cancer Res. 70(15):6150-6160(2010)Gou, X.X., et al. Zhonghua Yi Xue Za Zhi 90(18):1264-1267(2010)Bougatef, F., et al. PLoS ONE 5 (8), E12265 (2010) :