

Description

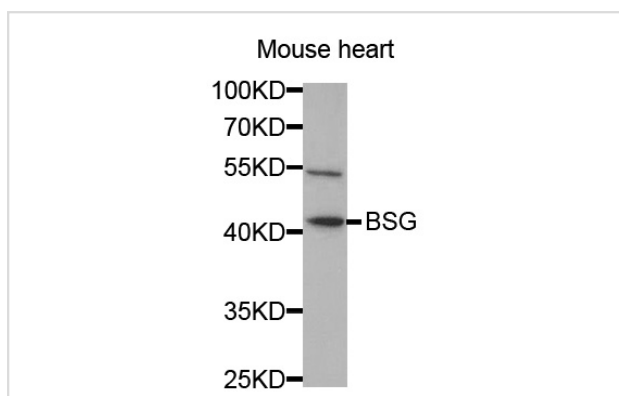
Product Name	BSG Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total BSG protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human BSG.
Target Name	BSG
Other Names	5F7; CD147; EMMPRIN; M6; OK
Accession No.	Swiss-Prot:P35613NCBI Gene ID:682
SDS-PAGE MW	42KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:2000

Immunohistochemistry: 1:50 - 1:100

Images



Western blot analysis of extracts of mouse heart cell lines, using BSG antibody.

Background

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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.