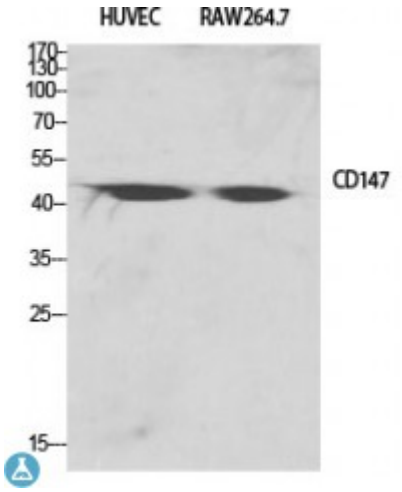
Anti-EMMPRIN antibody



Description	Rabbit polyclonal to EMMPRIN.

Model	STJ92907
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human EMMPRIN
Immunogen Region	310-390 aa, C-terminal
Gene ID	682
Gene Symbol	BSG
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
Specificity	EMMPRIN Polyclonal Antibody detects endogenous levels of EMMPRIN protein.
Tissue Specificity	Present only in vascular endothelium in non-neoplastic regions of the brain, whereas it is present in tumor cells but not in proliferating blood vessels in malignant gliomas.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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

Molecular Weight	48/36 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1116OMIM:109480
Alternative 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
Function	Plays an important role in targeting the monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to the plasma membrane. Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPS). Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes.
Cellular Localization	Cell membrane Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. In spermatozoa, localized on the principal piece of caput and in the middle piece during transit in the corpus and cauda epididymides .
Post-translational Modifications	N-glycosylated.