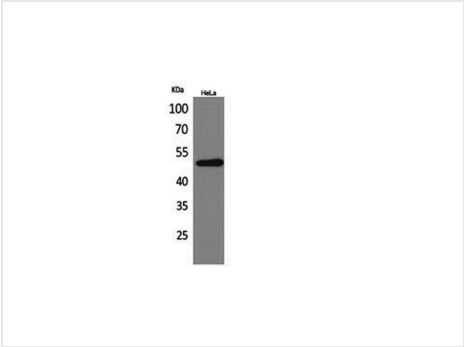
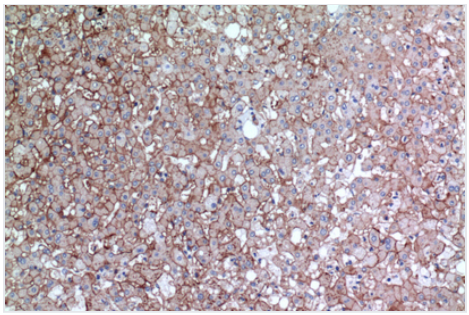
EMMPRIN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

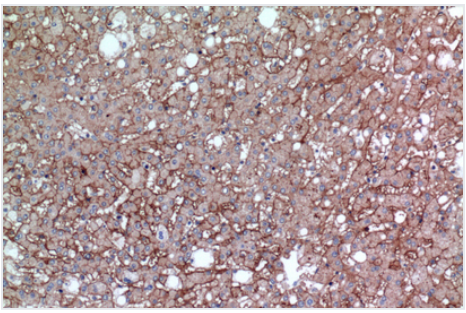
Product Name	EMMPRIN, Polyclonal Antibody
Full Product Name	EMMPRIN Polyclonal Antibody
Product Gene Name	anti-EMMPRIN antibody
Product Synonym Names	BSG; Basigin; 5F7; Collagenase stimulatory factor; Extracellular matrix metalloproteinase inducer; EMMPRIN; Leukocyte activation antigen M6; OK blood group antigen; Tumor cell-derived collagenase stimulatory factor; TCSF; CD147
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Antigen Affinity Purified
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 42 Observed MW: 42
OMIM	109480
Immunogen	Synthesized peptide derived from the Internal region of human EMMPRIN.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.1503% sodium azide.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EMMPRIN antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-EMMPRIN antibody	WB: 1:500-1:2000, ELISA: 1:5000-1:20000
Related Product Information for anti-EMMPRIN antibody	MBS2538809 is an antibody targeting EMMPRIN. Also known as EMMPRIN Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-EMMPRIN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-EMMPRIN antibody
Western Blot analysis of Hela cells using EMMPRIN Polyclonal Antibody at dilution of 1:20000.



Immunohistochemistry (IHC) of anti-EMMPRIN antibody
Immunohistochemistry of paraffin-embedded Human liver tissue using EMMPRIN Polyclonal Antibody at dilution of 1:100.



Immunohistochemistry (IHC) of anti-EMMPRIN antibody
Immunohistochemistry of paraffin-embedded Human liver tissue using EMMPRIN Polyclonal Antibody at dilution of 1:100.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EMMPRIN. It may not necessarily be applicable to this product.

NCBI GI #	20146101
NCBI GeneID	682
NCBI Accession #	BAB88938.1
UniProt Secondary Accession #	Q7Z796; Q8IZL7; A6NJW1; D3YLG5
UniProt Related Accession #	P35613
NCBI Official Full Name	EMMPRIN
NCBI Official Synonym Full Names	basigin (Ok blood group)
NCBI Official Symbol	BSG
NCBI Official Synonym Symbols	M6; OK; 5F7; TCSF; CD147; EMMPRIN
UniProt Protein Name	Basigin
UniProt Synonym Protein Names	5F7; Collagenase stimulatory factor; Extracellular matrix metalloproteinase inducer; EMMPRIN; Leukocyte activation antigen M6; OK blood group antigen; Tumor cell-derived collagenase stimulatory factor; TCSF; CD_antigen: CD147
UniProt Gene Name	BSG
UniProt Synonym Gene Names	EMMPRIN; TCSF
UniProt Entry Name	BASI_HUMAN
NCBI Protein Information	basigin

NCBI Summary for EMMPRIN	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. [provided by RefSeq, Jul 2008]
UniProt Comments for EMMPRIN	BSG: Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPS). May target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes. Enriched on the surface of tumor cells. Up-regulated in gliomas. Its expression levels correlate with malignant potential of the tumor. Forms homooligomers in a cis-dependent manner on the plasma membrane. Forms a complex with MMP1 at the tumor cell surface. Interacts with SLC16A1 and SLC1A3; probably a BSG dimer is associated with a monocarboxylate transporter dimer. Interacts with ATP1B2, MAG and L1CAM. Interacts with AJAP1. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Immunoglobulin superfamily Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: acrosomal membrane; focal adhesion; Golgi membrane; integral to plasma membrane; lipid raft; melanosome; membrane; mitochondrion; plasma membrane; sarcolemma Molecular Function: mannose binding; protein binding Biological Process: blood coagulation; cell surface receptor linked signal transduction; cellular metabolic process; decidualization; embryo implantation; extracellular matrix disassembly; extracellular matrix organization and biogenesis; leukocyte migration; odontogenesis of dentine-containing teeth; pyruvate metabolic process; response to cAMP; response to mercury ion; response to peptide hormone stimulus Disease: Blood Group--ok
Research Articles on EMMPRIN	**1.** The miR-492/CD147 axis might play an essential role in the Oxaliplatin resistance of colon cancer cells.
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