

Rabbit anti-Mouse CD147/Basigin/EMMPRIN Polyclonal Antibody | anti-CD147/Basigin/EMMPRIN antibody

Anti-CD147/Basigin/EMMPRIN Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258856	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Western Blot

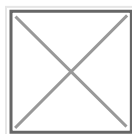
PRODUCT SYNONYMS

CD147/Basigin/EMMPRIN; Polyclonal Antibody; Anti-CD147/Basigin/EMMPRIN Antibody; Rabbit Polyclonal; basigin (Ok blood group); Anti-AI115436 Antibody; Anti-AI325119 Antibody; Anti-CD147 Antibody; Anti-EMMPRIN Antibody; Anti-HT-7 Antibody; anti-CD147/Basigin/EMMPRIN antibody

PRODUCT SPECIFICATIONS

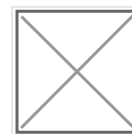
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse CD147/Basigin/EMMPRIN
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CD147/Basigin/EMMPRIN antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Mouse CD147
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Mouse CD147, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of CD147 in mouse spleen cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Mouse CD147 polyclonal antibody (dilution ratio 1:200) at 4? overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cell membrane.



WB (Western Blot)

Anti-CD147 rabbit polyclonal antibody at 1:500 dilution Lane A: Hela Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 42 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CD147/Basigin/EMMPRIN antibody	CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilinthe and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.
References	Tang Y, et al. (2004) Tumor-stroma interaction: positive feedback regulation of extracellular matrix metalloproteinase inducer (EMMPRIN) expression and matrix metalloproteinase-dependent generation of soluble EMMPRIN. Mol Cancer Res. 2(2): 73-80. Wilson MC, et al. (2005) Basigin (CD147) is the target for organomercurial inhibition of monocarboxylate transporter isoforms 1 and 4: the ancillary protein for the insensitive MCT2 is EMBIGIN (gp70). J Biol Chem. 280(29): 27213-21. Curtin KD, et al. (2005) Basigin (EMMPRIN/CD147) interacts with integrin to affect cellular architecture. J Cell Sci. 118(Pt 12): 2649-60. Zhu H, et al. (2009) A novel antibody fragment targeting HAb18G/CD147 with cytotoxicity and decreased immunogenicity. Cancer Biol Ther. 8(11): 1035-44. Zhu H, et al. (2009) A novel antibody fragment targeting HAb18G/CD147 with cytotoxicity and decreased immunogenicity. Cancer Biol Ther. 8(11): 1035-44. Seizer P, et al. (2009) EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. Thromb Haemost. 101(4): 682-6. Moonsom S, et al. (2010) A Competitive ELISA for Quantifying Serum CD147: Reduction of Soluble CD147 Levels in Cancer Patient Sera. Hybridoma (Larchmt). 29(1): 45-52.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd147-basigin-emmprin-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/258856>