

Datasheet for ABIN671886
anti-CD147 antibody (AA 301-385)



[Go to Product page](#)

1 Image **2** Publications

Overview

Quantity:	100 µL
Target:	CD147 (BSG)
Binding Specificity:	AA 301-385
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD147 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD147/TCSF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	CD147 (BSG)
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Target Details

Alternative Name: [CD147 \(BSG Products\)](#)

Background: Synonyms: M6, OK, 5F7, TCSF, CD147, EMMPRIN, Basigin, Collagenase stimulatory factor, Extracellular matrix metalloproteinase inducer, Leukocyte activation antigen M6, OK blood group antigen, Tumor cell-derived collagenase stimulatory factor, BSG, UNQ655/PRO21383
Background: 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.

Gene ID: 682

UniProt: [P35613](#)

Pathways: [S100 Proteins](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

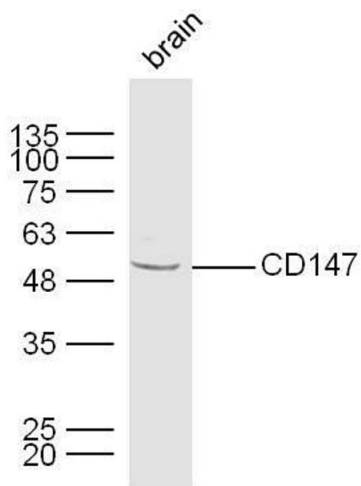
Expiry Date: 12 months

Publications

Product cited in: Cui, Wang, Yu, Ren, Cui, Yu, Hou, Fu, Wang: "Transplantation of Autologous Bone Marrow Mononuclear Cells Regulates Inflammation in a Rabbit Model of Carotid Artery Atherosclerosis." in: **Journal of vascular research**, Vol. 53, Issue 3-4, pp. 196-205, (2016) ([PubMed](#)).

Tsai, Chen, Huang, Lee, Ma, Huang, Sytwu, Hueng: "EMMPRIN expression positively correlates with WHO grades of astrocytomas and meningiomas." in: **Journal of neuro-oncology**, Vol. 114, Issue 3, pp. 281-90, (2013) ([PubMed](#)).

Images



Western Blotting

Image 1. Mouse brain lysates probed with CD147 Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 60 minutes at 37°C.