

CD146 Rabbit pAb

Catalog Number: bs-1618R

Target Protein: CD146

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Rat (predicted: Mouse, Cow, Dog, Horse)

Predicted MW: 71 kDa

Entrez Gene: 4162

Swiss Prot: P43121

Source: KLH conjugated synthetic peptide derived from human CD146: 201-300/646.

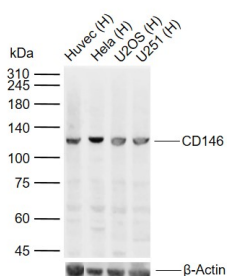
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

Background: MCAM (MUC18 antigen, CD146), a member of the immunoglobulin superfamily, is an intrinsic membrane glycoprotein of 110-120 kDa found on the surface of endothelial cells, bone marrow fibroblasts and various melanomas. MCAM (Melanoma adhesion molecule) has been used as a marker of tumor progression in human melanoma because expression in those tumors correlates strongly with poor prognosis and the development of metastatic disease. In addition, a number of human T, B and myeloid leukemic cell lines seem to express MCAM. The close structural relationship with N-CAM and related molecules suggests that MCAM may be also a developmentally regulated cell adhesion.

VALIDATION IMAGES



Sample: Lane 1: Human Huvec cell lysates Lane 2: Human Hela cell lysates Lane 3: Human U2OS cell lysates
Lane 4: Human U251 cell lysates Primary: Anti-CD146 (bs-1618R) at 1/1000 dilution Secondary: IRDye800CW
Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 71 kDa Observed band size: 115 kDa

PRODUCT SPECIFIC PUBLICATIONS

[IF=9.933] Tino Stauber. et al. Extrinsic Macrophages Protect While Tendon Progenitors Degrade: Insights from a Tissue Engineered Model of Tendon Compartmental Crosstalk. 2021 Sep 08 IF ; mouse . 34494401

[IF=2.6] Zhou Guanglei. et al. Cytotoxicity and cell migration evaluation of a strontium silicate-based root canal sealer on stem cells from rat apical papilla: an in vitro study. BMC ORAL HEALTH. 2024 Dec;24(1):1-10 IF ; Rat . 39215266

[IF=1.89] Hu, Jianguo, Biao Zeng, and Xingwei Jiang. "The expression of marker for endometrial stem cell and fibrosis was increased in intrauterine adhesious."International journal of clinical and experimental pathology 8.2 (2015): 1525. IHC ; ="Mouse" . 25973037

[IF=1.257] Hai Zhao. et al. Oxidative stress caused by a dysregulated Wnt/ β -catenin signalling pathway is involved in abnormal placenta formation in pregnant mice with chronic fatigue syndrome. Zygote. 2020 Oct;;1-8 WB,IHC ; Mouse . 33054899

[IF=0] Kanthilal, Manisha. Characterization of Molecular and Mechanical Phenotypes of Freshly Isolated Lipoaspirate Cells. Diss. Brown University, 2013. FCM ; ="Human" . Diss.BrownUniversity,2013.