



CD54 (ABT-CD54) mouse mAb

Catalog No	BYab-31186
Isotype	IgG
Reactivity	Human
Applications	IHC, WB
Gene Name	ICAM1
Protein Name	Intercellular adhesion molecule 1 (ICAM-1) (Major group rhinovirus receptor) (CD antigen CD54)
Immunogen	Synthesized peptide derived from human CD54
Specificity	This antibody detects endogenous levels of human CD54. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	WB 500-2000 IHC-p 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Blood, Kidney, Liver, Melanoma, Plasma,
Function	function: ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through SGEF and RHOG activation. In case of rhinovirus infection acts as a cellular receptor for the virus., online information: ICAM-1, online information: Icosahedral capsid structure, online information: Intercellular adhesion molecule entry, polymorphism: Homozygotes with ICAM1-Kalifi Met-56 seem to have an increased risk for cerebral malaria., PTM: Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis., similarity: Belongs to the immunoglobulin superfamily. ICAM family., similarity: Contains 5 Ig-like C2-type

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(immunoglobulin-like) domains.,subunit:Homodimer (Probable). Interacts with human herpesvirus 8 MIR2 protein (Probable). Interacts with MUC1 and promotes cell a

Background

This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008],

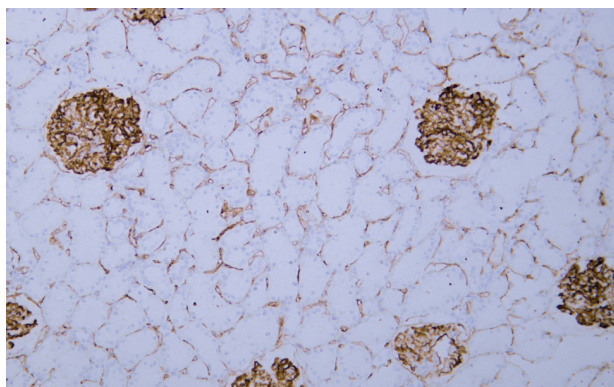
matters needing attention

Avoid repeated freezing and thawing!

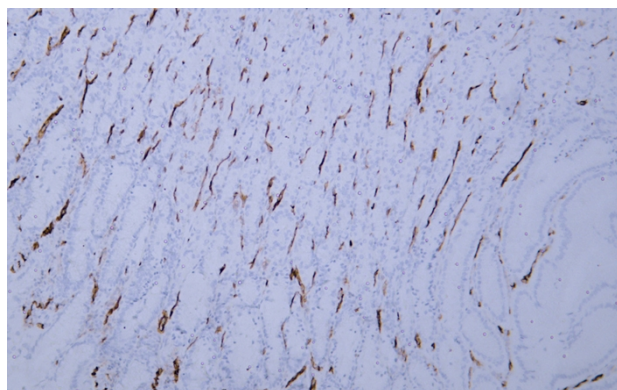
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

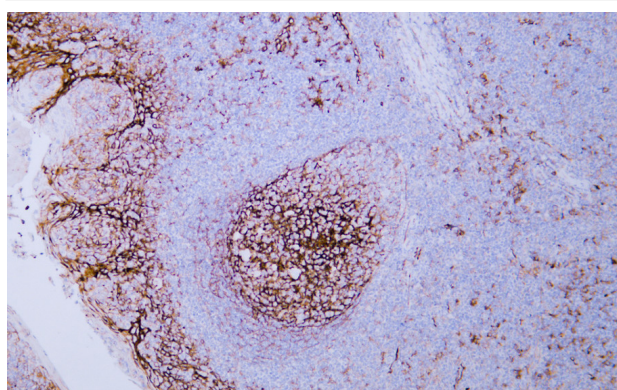
Products Images



Human kidney tissue was stained with Anti-CD54 (ABT-CD54) Antibody

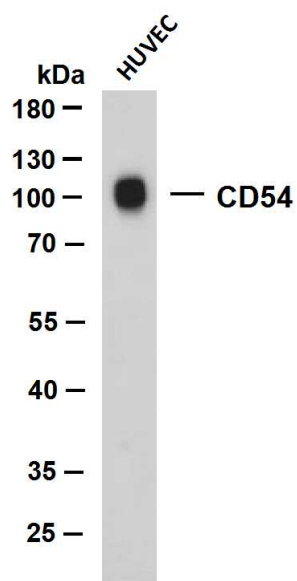


Human stomach tissue was stained with Anti-CD54 (ABT-CD54) Antibody



Human tonsil tissue was stained with Anti-CD54 (ABT-CD54) Antibody

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HUVEC whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD54 (ABT-CD54) antibody. The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: HUVEC Predicted band size: 58 kDa Observed band size: 100 kDa