



ICAM-1 (phospho Tyr512) Polyclonal Antibody

Catalog No	YP-Ab-16284
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	ICAM1
Immunogen	The antiserum was produced against synthesized peptide derived from human ICAM-1 around the phosphorylation site of Tyr512. AA range:479-528
Specificity	Phospho-ICAM-1 (Y512) Polyclonal Antibody detects endogenous levels of ICAM-1 protein only when phosphorylated at Y512.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Antigen identified by monoclonal antibody BB2;BB 2;BB2;CD 54; CD_antigen=CD54;CD54;Cell surface glycoprotein P3.58;Human rhinovirus receptor;ICAM 1;ICAM-1;ICAM1;ICAM1_HUMAN;intercellular adhesion molecule 1 (CD54);Intercellular adhesion molecule 1;Major group rhinovirus receptor;MALA 2;MALA2;MyD 1;MyD1;P3.58;Surface antigen of activated B cells;CD antigen CD54
Observed Band	57kD
Calculated Molecular Weight	57kD
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:Inter cellular 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 (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],

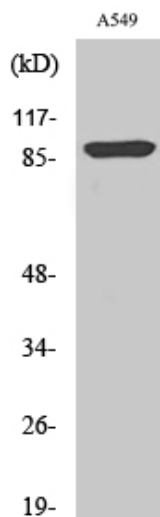
matters needing attention

Avoid repeated freezing and thawing!

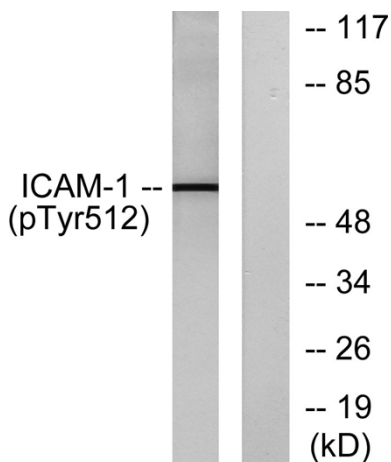
Usage suggestions

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

Products Images



Western Blot analysis of various cells using Phospho-ICAM-1 (Y512) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HeLa cells treated with TNF-alpha 20ng/ml 5', using ICAM-1 (Phospho-Tyr512) Antibody. The lane on the right is blocked with the phospho peptide.