

ARG51586 anti-CD54 / ICAM1 phospho (Tyr512) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD54 / ICAM1 phospho (Tyr512)
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD54 / ICAM1
Species	Human
Immunogen	Peptide sequence around phosphorylation site of tyrosine 512 (K-K-Y(p)-R-L) derived from Human ICAM1.
Conjugation	Un-conjugated
Alternate Names	CD54; CD antigen CD54; BB2; P3.58; Intercellular adhesion molecule 1; Major group rhinovirus receptor; ICAM-1

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

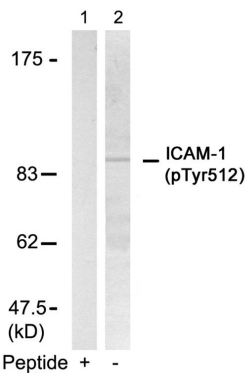
Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

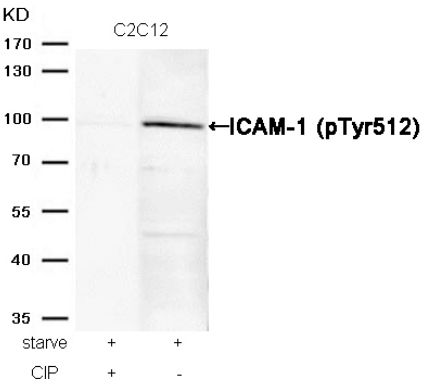
Database links	GeneID: 3383 Human Swiss-port # P05362 Human
Gene Symbol	ICAM1
Gene Full Name	intercellular adhesion molecule 1
Background	This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008]
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 ARHGEF26/SGEF and RHOG activation (By similarity). [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30035 Phospho CD54 / ICAM1 Antibody Duo (Total, pY512) Related products: CD54 antibodies ; CD54 ELISA Kits ; CD54 Duos / Panels ; Anti-Rabbit IgG secondary antibodies ;
Research Area	Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody; Cytotoxic T Cell Surface Study antibody
Calculated Mw	58 kDa
PTM	Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.

Images



ARG51586 anti-CD54 / ICAM1 phospho (Tyr512) antibody WB image

Western blot: Extracts from HUVEC cells stained with ARG51586 anti-CD54 / ICAM1 phospho (Tyr512) antibody (Lane 2) and the same antibody preincubated with blocking peptide (Lane1).



ARG51586 anti-CD54 / ICAM1 phospho (Tyr512) antibody WB image

Western blot: Extracts from C2C12 cells, treated with starve or calf intestinal phosphatase (CIP), stained with ARG51586 anti-CD54 / ICAM1 phospho (Tyr512) antibody.