

Rabbit anti-Rat ICAM-1 Polyclonal Antibody | anti-ICAM1 antibody

Anti-ICAM-1 Antibody, Rabbit Polyclonal

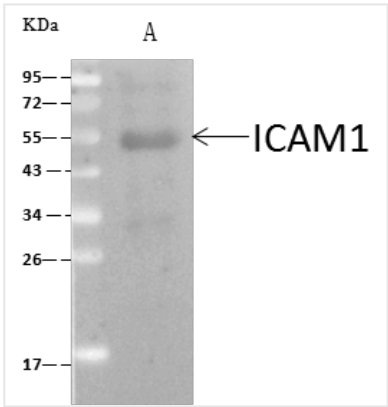
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257291	Rabbit	Rat	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ICAM-1; Polyclonal Antibody; Anti-ICAM-1 Antibody; Rabbit Polyclonal; ICAM-1/CD54 Antibody; Rabbit PAb; Antigen Affinity Purified; intercellular adhesion molecule 1; anti-ICAM1 antibody

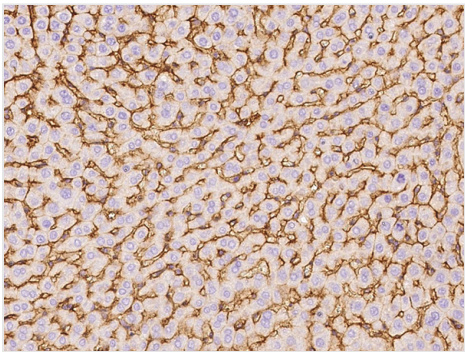
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat ICAM-1/CD54
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ICAM1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat ICAM-1/CD54 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat ICAM-1/CD54 (rR ICAM-1/CD54). ICAM-1/CD54 specific IgG was purified by affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



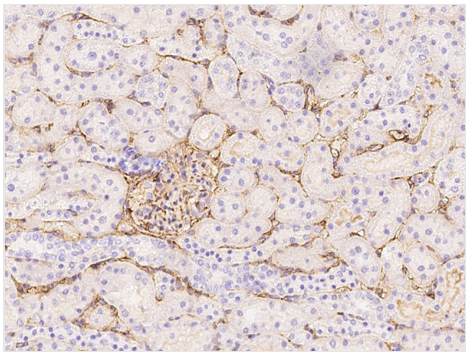
IP (Immunoprecipitation)

ratICAM1 was immunoprecipitated using: Lane A: 0.5 mg NIH-3T3 Whole Cell Lysate 2 uL anti-ratICAM1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-ratICAM1 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 60 kDa Observed band size :55 kDa



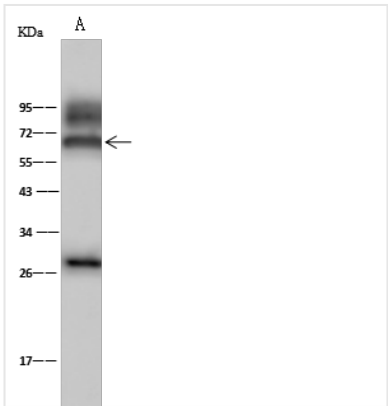
IHC (Immunohistochemistry)

Immunochemical staining of rat ICAM1 in rat liver with rabbit polyclonal antibody at 1:3000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of rat ICAM1 in rat kidney with rabbit polyclonal antibody at 1:3000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-ICAM1 rabbit polyclonal antibody at 1:500 dilution Lane A: Rat Spleen tissue lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 58 kDa Observed band size: 65 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ICAM1 antibody	Intercellular adhesion molecule-1 (ICAM-1, or CD54) is a 90 kDa member of the immunoglobulin (Ig) superfamily and is critical for the firm arrest and transmigration of leukocytes out of blood vessels and into tissues. ICAM-1 is constitutively present on endothelial cells, but its expression is increased by proinflammatory cytokines. The endothelial expression of ICAM-1 is increased in atherosclerotic and transplant-associated atherosclerotic tissue and animal models of atherosclerosis. Additionally, ICAM-1 has been implicated in the progression of autoimmune diseases. ICAM-1 is a ligand for LFA-1(integrin). When activated, leukocytes bind to endothelial cells via ICAM-1/LFA-1 interaction and then transmigrate into tissues. Presence with heavy glycosylation and other structural characteristics, ICAM-1 possesses binding sites for some immune-associated ligands and serves as the binding site for entry of the major group of human Rhinovirus (HRV) into various cell types. ICAM-1 also becomes known for its affinity for Plasmodium falciparum-infected erythrocytes (PFIE), providing more of a role in infectious disease. Previous studies have shown that ICAM-1 is involved in inflammatory reactions and that a defect in ICAM-1 gene inhibits allergic contact hypersensitivity.
Product Categories/Family for anti-ICAM1 antibody	Neuroinflammation

References	Xu H, et al. (2001) The role of ICAM-1 molecule in the migration of Langerhans cells in the skin and regional lymph node. Eur J Immunol. 31(10): 3085-93. Terol MJ, et al. (2003) Soluble intercellular adhesion molecule-1 (s-ICAM-1/s-CD54) in diffuse large B-cell lymphoma: association with clinical characteristics and outcome. Ann Oncol. 14(3): 467-74. Mendez MP, et al. (2006) Shedding of soluble ICAM-1 into the alveolar space in murine models of acute lung injury. Am J Physiol Lung Cell Mol Physiol. 290(5): L962-70. Lawson C, et al. (2009) ICAM-1 signaling in endothelial cells. Pharmacol Rep. 61(1): 22-32.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981068
NCBI GeneID	25464
NCBI Accession #	NP_037099.1
NCBI GenBank Nucleotide #	NM_012967.1
UniProt Accession #	Q00238
Molecular Weight	60,142 Da
NCBI Official Full Name	intercellular adhesion molecule 1
NCBI Official Synonym Full Names	intercellular adhesion molecule 1
NCBI Official Symbol	Icam1
NCBI Official Synonym Symbols	CD54; ICAM
NCBI Protein Information	intercellular adhesion molecule 1; ICAM-1
UniProt Protein Name	Intercellular adhesion molecule 1
UniProt Gene Name	Icam1
UniProt Synonym Gene Names	Icam-1; ICAM-1
UniProt Entry Name	ICAM1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.