



Datasheet for ABIN3042515
anti-ICAM1 antibody (AA 198-537)



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6 Images

37 Publications

Overview

Quantity:	100 µg
Target:	ICAM1
Binding Specificity:	AA 198-537
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ICAM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Intercellular adhesion molecule 1(ICAM1) detection. Tested with WB, IHC-P in Mouse,Rat.
Brand:	Picoband™
Immunogen:	E.coli-derived mouse ICAM1 recombinant protein (Position: G198-P537). Mouse ICAM1 shares 74% amino acid (aa) sequence identity with rat ICAM1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Intercellular adhesion molecule 1(ICAM1) detection. Tested with WB, IHC-P in Mouse,Rat. Gene Name: intercellular adhesion molecule 1 Protein Name: Intercellular adhesion molecule 1

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ICAM1

Alternative Name: ICAM1 ([ICAM1 Products](#))

Target Type: Viral Protein

Background: Intercellular adhesion molecule-1 (ICAM-1) is an integral membrane protein, a member of the immunoglobulin superfamily, and a ligand for lymphocyte function-associated (LFA) antigens, a beta 2 leukocyte integrin. The normal function of human ICAM-1 is to provide adhesion between endothelial cells and leukocytes after injury or stress. ICAM-1 binds to leukocyte function-associated antigen (LFA-1) or macrophage-1 antigen (Mac-1). It is found on leukocytes, fibroblasts, epithelial cells and endothelial cells and its expression is regulated by inflammatory cytokines. ICAM-1 has a tissue distribution similar to that of the major histocompatibility complex class II antigens and is likely to play a role in inflammatory responses.

Synonyms: Antigen identified by monoclonal antibody BB2 antibody|BB 2 antibody|BB2 antibody|CD 54 antibody|CD_antigen|CD54 antibody|CD54 antigen antibody|Cell surface glycoprotein P3.58 antibody|Human rhinovirus receptor antibody|ICAM 1 antibody|ICAM-1 antibody|ICAM1 antibody|ICAM1_HUMAN antibody|intercellular adhesion molecule 1(CD54)|human rhinovirus receptor antibody|Intercellular adhesion molecule 1 antibody|Major group rhinovirus receptor antibody|MALA 2 antibody|MALA2 antibody|MyD 10 antibody|MyD10 antibody|P3.58 antibody|Surface antigen of activated B cells antibody|Surface antigen of activated B cells, BB2 antibody

Gene ID: 15894

UniProt: [P13597](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Actin Filament Polymerization](#), [Carbohydrate Homeostasis](#), [Regulation of Leukocyte Mediated Immunity](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Epitope Retrieval by Heat:

Application Details

Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

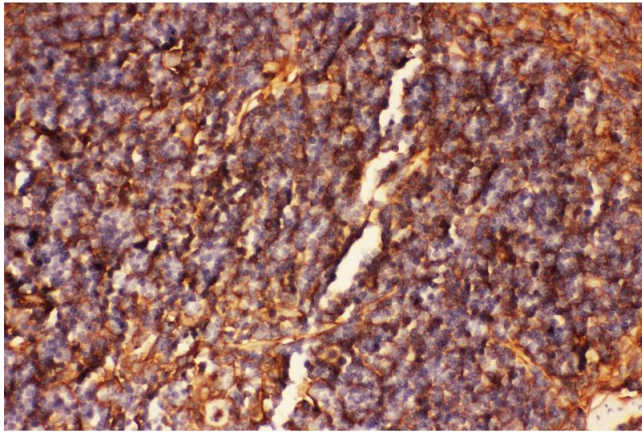
Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

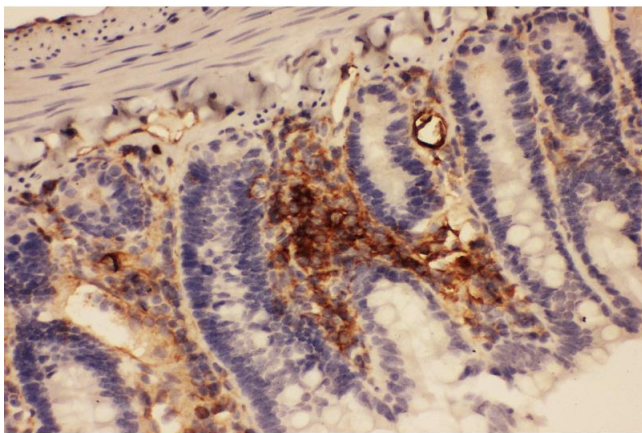
Product cited in: Li, Byrd, Doh, Dixon, Lee, Tiwari, Ecelbarger: "Absence of renal enlargement in fructose-fed proximal-tubule-select insulin receptor (IR), insulin-like-growth factor receptor (IGF1R) double knockout mice." in: **Physiological reports**, Vol. 4, Issue 23, (2018) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



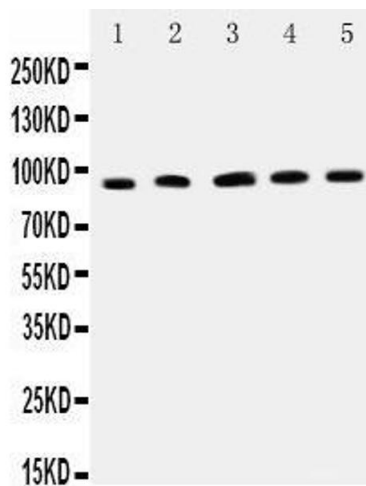
Immunohistochemistry

Image 1. Anti-ICAM1 Picoband antibody, IHC(P): Mouse Spleen Tissue



Immunohistochemistry

Image 2. Anti-ICAM1 Picoband antibody, IHC(P): Rat Intestine Tissue



Western Blotting

Image 3. Observed bind size: 90KD

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3042515.