

## **Anti-ICAM-1 Antibody**

Catalog # ABO11742

## **Specification**

# **Anti-ICAM-1 Antibody - Product Information**

Application WB, IHC-P
Primary Accession P05362
Host Reactivity Human
Clonality Polyclonal
Format Lyophilized

**Description** 

Rabbit IgG polyclonal antibody for Intercellular adhesion molecule 1(ICAM1) detection. Tested with WB, IHC-P in Human.

### Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

## **Anti-ICAM-1 Antibody - Additional Information**

**Gene ID 3383** 

### **Other Names**

Intercellular adhesion molecule 1, ICAM-1, Major group rhinovirus receptor, CD54, ICAM1

# **Calculated MW**

57825 MW KDa

### **Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1  $\mu$ g/ml, Human, By Heat<br/>blot, 0.1-0.5  $\mu$ g/ml, Human<br/>br>

### **Subcellular Localization**

Membrane; Single-pass type I membrane protein.

#### **Protein Name**

Intercellular adhesion molecule 1

### **Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

## **Immunogen**

E.coli-derived human ICAM1 recombinant protein (Position: L214-P532). Human ICAM1 shares 52% and 48% amino acid (aa) sequences identity with mouse and rat ICAM1, respectively.

#### **Purification**

Immunogen affinity purified.

### **Cross Reactivity**





No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, 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.

### **Sequence Similarities**

Belongs to the immunoglobulin superfamily. ICAM family.

# **Anti-ICAM-1 Antibody - Protein Information**

### Name ICAM1

#### **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.

#### **Cellular Location**

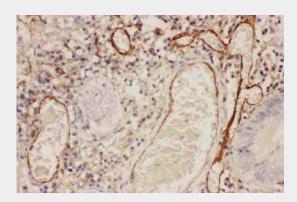
Membrane; Single-pass type I membrane protein.

# **Anti-ICAM-1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

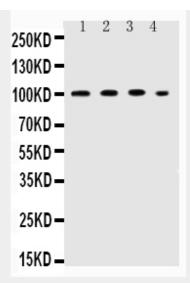
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **Anti-ICAM-1 Antibody - Images**



Anti-ICAM1 Picoband antibody, ABO11742-1.JPGIHC(P): Human Intestinal Cancer Tissue





Anti-ICAM1 Picoband antibody, ABO11742-2.jpgAll lanes: Anti-ICAM1(ABO11742) at 0.5ug/mlLane 1: HEPG2 Whole Cell Lysate at 40ugLane 2: K562 Whole Cell Lysate at 40ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 58KDObserved bind size: 100KD

## Anti-ICAM-1 Antibody - 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.