

Anti-ICAM-1 Antibody
Catalog # ABO11729**Specification**

Anti-ICAM-1 Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P |
| Primary Accession | P05362 |
| Host | Rabbit |
| 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 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

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 Na₃.

Immunogen

NSO-derived human ICAM1 recombinant protein (Position: Q28-E480). Human ICAM1 shares 55% and 53% 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 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.

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

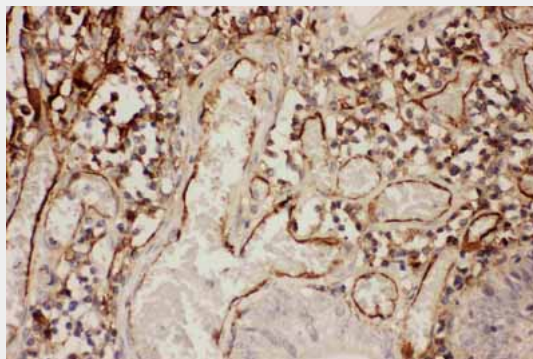
Membrane; Single-pass type I membrane protein.

Anti-ICAM-1 Antibody - Protocols

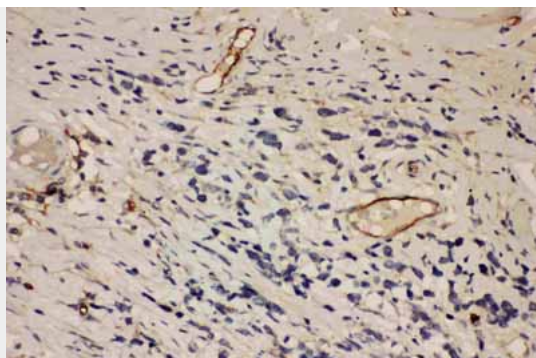
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

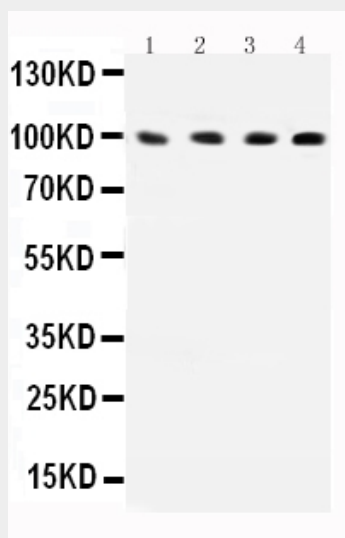
Anti-ICAM-1 Antibody - Images



Anti-ICAM1 Picoband antibody, IHC(P)IHC(P): Human Intestinal Cancer Tissue



Anti-ICAM1 Picoband antibody, IHC(P) IHC(P): Human Lung Cancer Tissue



Anti-ICAM1 Picoband antibody, Western blotting All lanes: Anti-ICAM1 (ABO11729) at 0.5ug/ml
Lane 1: HEPG2 Whole Cell Lysate at 40ug
Lane 2: K562 Whole Cell Lysate at 40ug
Lane 3: A549 Whole Cell Lysate at 40ug
Lane 4: HT1080 Whole Cell Lysate at 40ug
Predicted bind size: 58KD
Observed bind size: 100KD

Anti-ICAM-1 Antibody - Background

CD54, also known as ICAM-1. Intercellular adhesion molecule-1 (ICAM1) is a ligand for lymphocyte function-associated (LFA) antigens. Intercellular adhesion molecule-1 (ICAM-1) is an integral membrane protein, a member of the immunoglobulin superfamily, and a ligand for LFA-1, a beta 2 leukocyte integrin. ICAM1 protein is the major human rhinovirus receptor. ICAM1 gene is mapped to human chromosome 19. In humans, lymphocyte adhesion to cells is mediated by the protein heterodimer CD11a/CD18 (Leu-CAMa, LFA-1) and its ligand CD54 (ICAM-1).