

# VCAM1 Polyclonal Antibody

Catalog Number:E-AB-18302

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

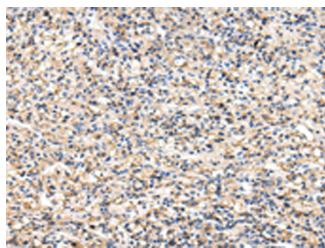
## Description

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| <b>Reactivity</b>   | Human, Mouse, Rat                                      |
| <b>Immunogen</b>    | Fusion protein of human VCAM1                          |
| <b>Host</b>         | Rabbit                                                 |
| <b>Isotype</b>      | IgG                                                    |
| <b>Purification</b> | Antigen affinity purification                          |
| <b>Conjugation</b>  | Unconjugated                                           |
| <b>Formulation</b>  | PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4 |

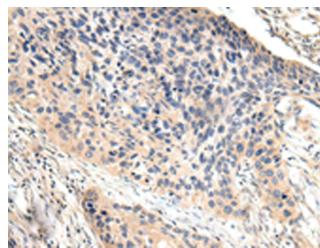
## Applications Recommended Dilution

|              |               |
|--------------|---------------|
| <b>IHC</b>   | 1:25-1:100    |
| <b>ELISA</b> | 1:2000-1:5000 |

## Data



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using VCAM1 Polyclonal Antibody at dilution of 1:30(×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using VCAM1 Polyclonal Antibody at dilution of 1:30(×200)

## Preparation & Storage

|                |                                             |
|----------------|---------------------------------------------|
| <b>Storage</b> | Store at -20°C. Avoid freeze / thaw cycles. |
|----------------|---------------------------------------------|

## Background

Vascular cell adhesion molecule 1 (VCAM1),also known as CD106,is a transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. VCAM1 is expressed by cytokine-activated endothelium,interacts with integrin VLA4 ( $\alpha 4\beta 1$ ) present on the surface of leukocytes,and mediates both adhesion and signal transduction. It is also expressed either constitutively or inducibly in a variety of other cell types,including vascular smooth muscle cells,differentiating skeletal muscle cells,renal and neural epithelial cells,macrophages (Kupffer cells),dendritic cells,and bone marrow stromal cells .

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