

# VCAM1 Rabbit mAb

**Catalog # AP74993** 

### **Specification**

#### VCAM1 Rabbit mAb - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, IHC-P, IP
P19320
Human, Mouse, Rat
Rabbit
Monoclonal Antibody
81276

### VCAM1 Rabbit mAb - Additional Information

**Gene ID 7412** 

Other Names VCAM1

**Dilution**WB~~1/500-1/1000
IHC-P~~N/A
IP~~1/20

Format Liquid

### VCAM1 Rabbit mAb - Protein Information

# Name VCAM1

#### **Function**

Cell adhesion glycoprotein predominantly expressed on the surface of endothelial cells that plays an important role in immune surveillance and inflammation (PubMed:<a href="http://www.uniprot.org/citations/31310649" target="\_blank">31310649</a>). Acts as a major regulator of leukocyte adhesion to the endothelium through interaction with different types of integrins (PubMed:<a href="http://www.uniprot.org/citations/10209034" target="\_blank">10209034</a>). During inflammatory responses, binds ligands on the surface of activated endothelial cells to initiate the activation of calcium channels and the plasma membrane-associated small GTPase RAC1 leading to leukocyte transendothelial migration (PubMed:<a href="http://www.uniprot.org/citations/22970700" target="\_blank">22970700</a>). Also serves as a quality- control checkpoint for entry into bone marrow by providing a 'don't-eat-me' stamping in the context of major histocompatibility complex (MHC) class-I presentation (PubMed:<a href="http://www.uniprot.org/citations/35210567" target="\_blank">35210567</a>/a>).

## **Cellular Location**

[Vascular cell adhesion protein 1]: Cell membrane; Single-pass type I membrane protein



**Tissue Location** 

Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue

# VCAM1 Rabbit mAb - Protocols

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

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

# VCAM1 Rabbit mAb - Images









