

VCAM1 Rabbit pAb

Catalog # AP53533

Product Information

Primary Accession	P19320
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	81276

Additional Information

Gene ID	7412
Other Names	Vascular cell adhesion protein 1, V-CAM 1, VCAM-1, INCAM-100, CD106, VCAM1
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

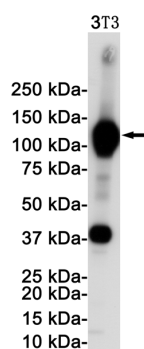
Name	VCAM1
Function	Cell adhesion glycoprotein predominantly expressed on the surface of endothelial cells that plays an important role in immune surveillance and inflammation (PubMed: 31310649). Acts as a major regulator of leukocyte adhesion to the endothelium through interaction with different types of integrins (PubMed: 10209034). 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: 22970700). 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: 35210567).
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

Background

Swiss-Prot Acc.P19320.Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/ITGA4/ITGB1 interaction may play a pathophysiologic role both in

immune responses and in leukocyte emigration to sites of inflammation.

Images



Western blot detection of VCAM1 in 3T3 cell lysates using VCAM1 Rabbit pAb(1:1000 diluted). Predicted band size: 81KDa. Observed band size: 110KDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.