

For Research Use Only

ICAM-1/CD54 Polyclonal antibody

Catalog Number: 15364-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

15364-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8309

GenBank Accession Number:

BC015969

GeneID (NCBI):

3383

ENSEMBL Gene ID:

ENSG00000090339

UNIPROT ID:

P05362

Full Name:

intercellular adhesion molecule 1

Calculated MW:

90 kDa

Observed MW:

85-95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HUVEC cells, Raji cells, HeLa cells, L02 cells

IP: Raji cells,

IHC: human colon cancer tissue, human heart tissue

Background Information

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues (PMID: 19307690). ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- α , INF- γ , IL-1 and thrombin (PMID: 3086451; 9694714; 15979056). It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by Plasmodium falciparum (PMID: 2566624; 2538244; 2475784).

Notable Publications

Author	Pubmed ID	Journal	Application
Xuebing Shi	24535541	J Mol Histol	IHC
Wenshuang Li	25391245	Curr Pharm Biotechnol	WB
Yijun Xu	40228337	Redox Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

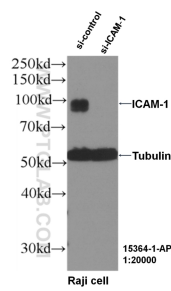
T: 4006900926

E: Proteintech-CN@ptglab.com

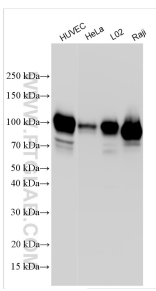
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

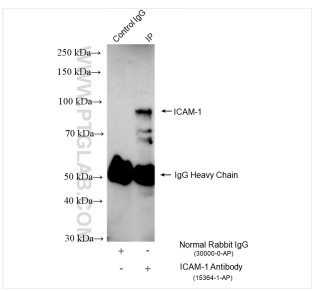
Selected Validation Data



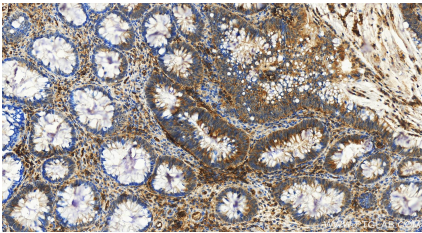
WB result of ICAM1 antibody (15364-1-AP, 1:20,000) with si-Control and si-ICAM1 transfected Raji cells. .



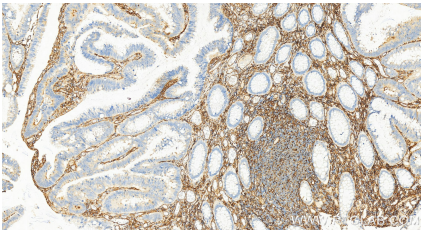
Various lysates were subjected to SDS PAGE followed by western blot with 15364-1-AP (ICAM-1/CD54 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-ICAM-1/CD54 (IP:15364-1-AP, 4ug; Detection:15364-1-AP 1:2000) with Raji cells lysate 2200 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15364-1-AP (ICAM-1/CD54 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15364-1-AP (ICAM-1/CD54 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).