

For Research Use Only

ICAM-1/CD54 Polyclonal antibody

Catalog Number: 10831-1-AP

Featured Product

181 Publications



Basic Information

Catalog Number: 10831-1-AP	GenBank Accession Number: BC015969	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 3383	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF-P 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000090339	
Isotype: IgG	UNIPROT ID: P05362	
Immunogen Catalog Number: AG1188	Full Name: intercellular adhesion molecule 1	
	Calculated MW: 90 kDa	
	Observed MW: 90-100 kDa	

Applications

Tested Applications: WB, IHC, IF-P, IP, ELISA	Positive Controls: WB: HUVEC cells, Raji cells, L02 cells
Cited Applications: WB, IHC, IF, IP, CoIP, Blocking	IP: Raji cells,
Species Specificity: human	IHC: human lung cancer tissue, human liver cancer tissue, human tonsillitis tissue
Cited Species: human, pig, bovine	IF-P: human tonsillitis tissue,

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

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
Yuxin Xie	33335794	Mol Ther Nucleic Acids	WB
Xinyu Zhu	36103933	Eur J Pharmacol	WB
Xiaohui Zhou	32935825	Clinics (Sao Paulo)	WB

Storage

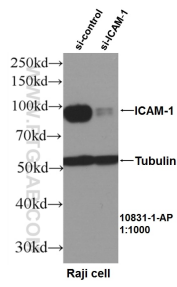
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

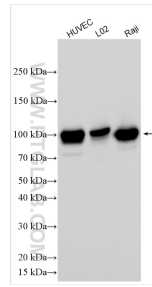
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

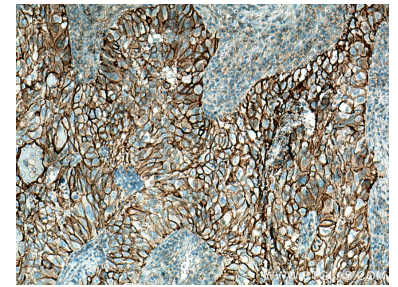
Selected Validation Data



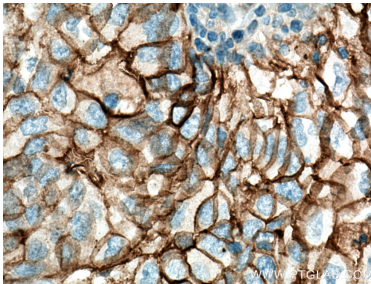
WB result of ICAM1 antibody (10831-1-AP, 1:1000) with si-Control and si-ICAM1 transfected Raji cells..



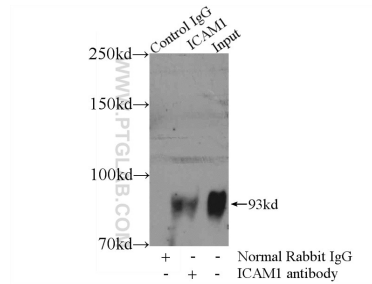
Various lysates were subjected to SDS PAGE followed by western blot with 10831-1-AP (ICAM-1/CD54 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



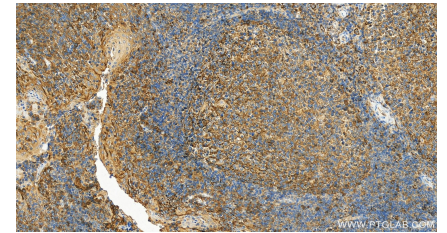
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10831-1-AP (ICAM-1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



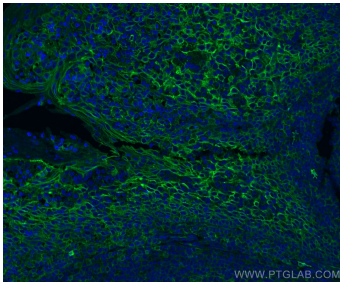
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10831-1-AP (ICAM-1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ICAM-1 (IP:10831-1-AP, 4ug; Detection:10831-1-AP 1:1000) with Raji cells lysate 1320ug.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10831-1-AP (ICAM-1/CD54 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using ICAM-1/CD54 antibody (10831-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).