

For Research Use Only

ICAM2 Polyclonal antibody

Catalog Number: 10121-2-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

10121-2-AP

Size:

150UL, Concentration: 250 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0165

GenBank Accession Number:

BC003097

GeneID (NCBI):

3384

Full Name:

intercellular adhesion molecule 2

Calculated MW:

31 kDa

Observed MW:

55-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

human

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: Jurkat cells, HEK-293 cells

IHC: human breast cancer tissue, human lung cancer tissue

Background Information

ICAM2 is a cell adhesion protein having important roles in cell migration, especially during inflammation when leukocytes cross the endothelium. Initially described as a receptor for lymphocyte function-associated antigen-1 (LFA1), ICAM2 may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. ICAM2 has six N-linked glycosylation sites at amino acids (asparagines) 47, 82, 105, 153, 178 and 187. This antibody got 55-80 kDa in western blotting maybe due to glycosylation.

Notable Publications

Author	Pubmed ID	Journal	Application
Yoon Karina Jin KJ	18978946	PLoS One	WB, IHC
Yu Dong	24457076	Hum Pathol	IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

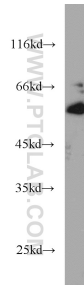
For technical support and original validation data for this product please contact:

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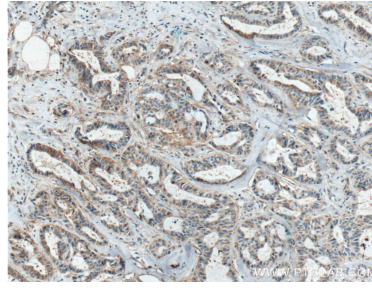
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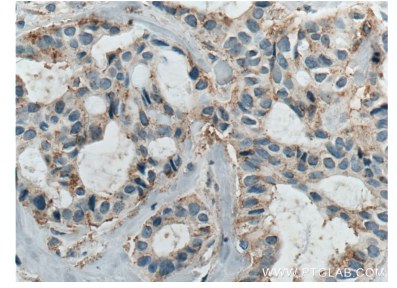
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 10121-2-AP (ICAM2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10121-2-AP (ICAM2 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 breast cancer tissue slide using 10121-2-AP (ICAM2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).