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ICAM2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11047c

Product Information

Application	WB, FC, E
Primary Accession	P13598
Other Accession	NP_000864.2, NP_001093256.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28558
Calculated MW	30654
Antigen Region	191-218

Additional Information

Gene ID	3384
Other Names	Intercellular adhesion molecule 2, ICAM-2, CD102, ICAM2
Target/Specificity	This ICAM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-218 amino acids from the Central region of human ICAM2.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ICAM2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ICAM2 (HGNC:5345)
Function	Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule 1) ensuring leukocyte cell-cell adhesion on resting cells (PubMed:10077629, PubMed:1676048, PubMed:2497351). Also endothelial blood vessels receptor

	ligand of dendritic cell (DC) CD209 signaling receptor that mediates triggering transendothelial migration of DC presursors from blood into peripheral tissues and, subsequently, into lymphoid tissues (PubMed:11017109). Mediates adhesive interactions important for antigen presentation, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance (Probable).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus {ECO:0000250|UniProtKB:P35330}. Note=Co-localizes with RDX, EZR and MSN in microvilli. {ECO:0000250|UniProtKB:P35330}
Tissue Location	Constitutively expressed on leukocytes and endothelium (PubMed:1676048). Expressed on resting lymphocytes and monocytes, but not in neutrophils (PubMed:1676048). Abundantly expressed on endothelial vascular cells as well as lymphatic vessels in tonsils (PubMed:11017109).

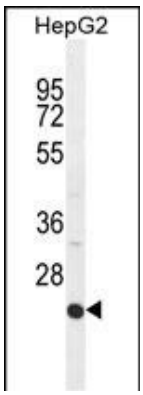
Background

The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein 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. Several transcript variants encoding the same protein have been found for this gene.

References

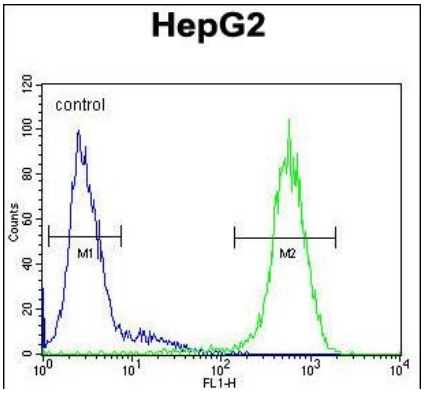
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Images



ICAM2 Antibody (Center) (Cat. #AP11047c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the ICAM2 antibody detected the ICAM2 protein (arrow).

ICAM2 Antibody (Center) (Cat. #AP11047c) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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