10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ICB1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9910b

Product Information

Application	FC, WB, E
Primary Accession	Q5TEJ8
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24946
Calculated MW	72049
Antigen Region	613-641

Additional Information

Gene ID	9473
Other Names	Protein THEMIS2, Induced by contact to basement membrane 1 protein, Protein ICB-1, Thymocyte-expressed molecule involved in selection protein 2, THEMIS2, C1orf38, ICB1
Target/Specificity	This ICB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 613-641 amino acids from the C-terminal region of human ICB1.
Dilution	FC~~1:10~50 WB~~1:1000 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	ICB1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	THEMIS2 (HGNC:16839)
Function	May constitute a control point in macrophage inflammatory response, promoting LPS-induced TLR4-mediated TNF production (PubMed:20644716).

	Determines the threshold for activation of B cells by low-affinity and low-avidity ligands via PLCG2 activation and its downstream pathways (By similarity).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q91YX0}. Cytoplasm {ECO:0000250|UniProtKB:Q91YX0}
Tissue Location	Expressed in different endometrial adenocarcinoma cell lines and various other cell lines apart from the prostate cell line LNCaP and the ovarian cancer cell line BG1

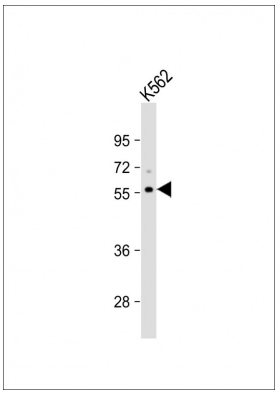
Background

Involved in cell adhesion. There are 4 isoforms produced by alternative splicing.

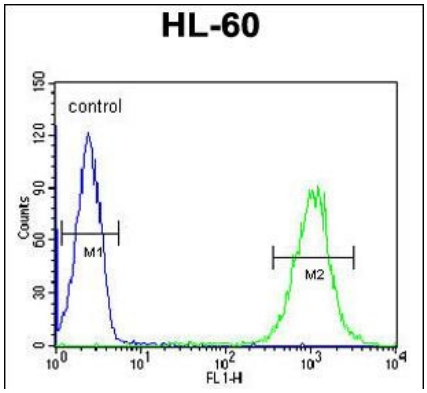
References

Springwald, A., et al. Cancer Invest. 27(6):669-672(2009)
Treeck, O., et al. Cytokine 32 (3-4), 137-142 (2005)
Treeck, O., et al. Leuk. Res. 26(8):765-769(2002)

Images



Anti-ICB1 Antibody (C-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 72 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ICB1 Antibody (C-term) (Cat. #AP9910b) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- Themis2 is not required for B cell development, activation, and antibody responses.

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