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ICB1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9910b

Specification

ICB1 Antibody (C-term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q5TEJ8
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**613-641**

ICB1 Antibody (C-term) - 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
WB~~1:1000
FC~~1:10~50

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.

ICB1 Antibody (C-term) - 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}

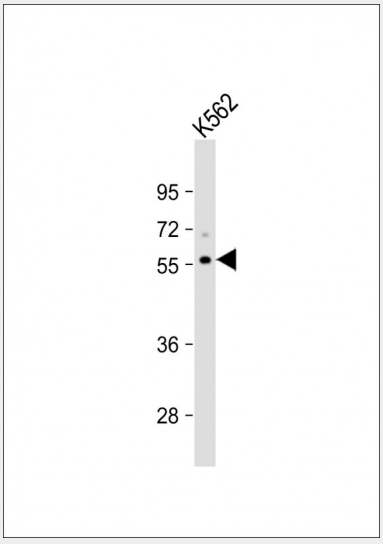
Tissue Location
Expressed in different endometrial adenocarcinoma cell lines and various other cell lines apart from the prostate cell line LNCaP and the ovarian cancer cell line BG1

ICB1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

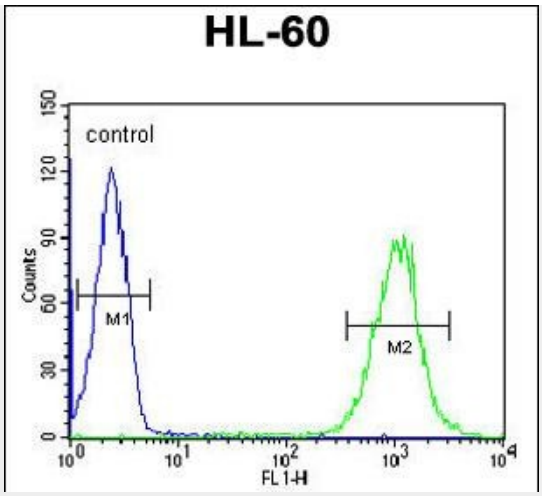
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ICB1 Antibody (C-term) - 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.

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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.

ICB1 Antibody (C-term) - Background

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

ICB1 Antibody (C-term) - 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)

ICB1 Antibody (C-term) - Citations

- Themis2 is not required for B cell development, activation, and antibody responses.
- Themis2/ICB1 is a signaling scaffold that selectively regulates macrophage Toll-like receptor signaling and cytokine production.