

**ICB1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9910b**

**Specification**

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**ICB1 Antibody (C-term) - Product Information**

Application	<b>WB, FC,E</b>
Primary Accession	<a href="#">Q5TEJ8</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>613-641</b>

**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

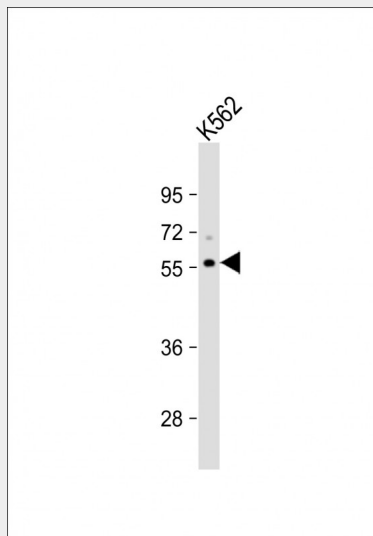
Expressed in different endometrial adenocarcinoma cell lines and various other cell lines apart from the prostate cell line LNCaP and the ovarian cancer cell line BG1

### ICB1 Antibody (C-term) - Protocols

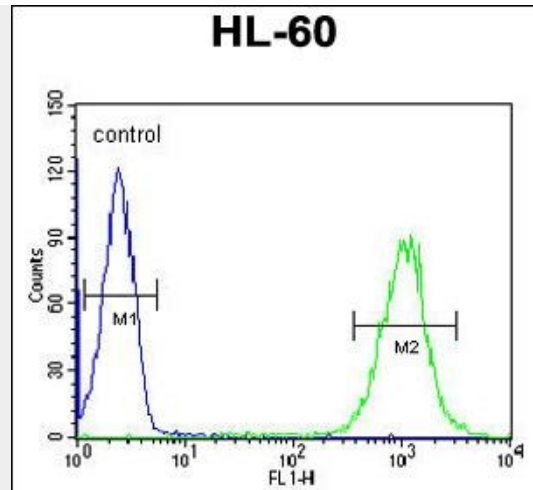
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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% NFDN/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.

#### **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.](#)