

# FCRL4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9847b

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">Q96PJ5</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB24597
<b>Calculated MW</b>	57224
<b>Antigen Region</b>	480-507

## Additional Information

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<b>Gene ID</b>	83417
<b>Other Names</b>	Fc receptor-like protein 4, FcR-like protein 4, FCRL4, Fc receptor homolog 4, FcRH4, IFGP family protein 2, hIFGP2, Immune receptor translocation-associated protein 1, CD307d, FCRL4, FCRH4, IFGP2, IRTA1
<b>Target/Specificity</b>	This FCRL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 480-507 amino acids from the C-terminal region of human FCRL4.
<b>Dilution</b>	WB~~1:2000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	FCRL4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FCRL4
<b>Synonyms</b>	FCRH4, IFGP2, IRTA1

<b>Function</b>	May function as an inhibitor of the B-cell receptor signaling. May function in the B-cell-mediated immune response.
<b>Cellular Location</b>	Cell membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Specifically expressed by memory and monocytoid B- cells which populate spleen and lymph nodes. Preferentially expressed in memory B-cells associated with mucosal tissue (at protein level)

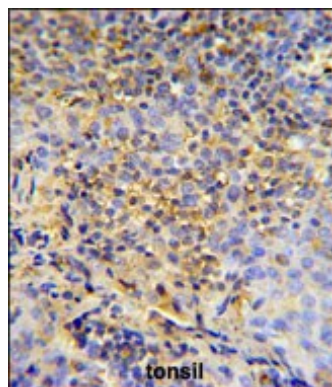
## Background

This gene encodes a member of the immunoglobulin receptor superfamily and is one of several Fc receptor-like glycoproteins clustered on the long arm of chromosome 1. The encoded protein has four extracellular C2-type immunoglobulin domains, a transmembrane domain and a cytoplasmic domain that contains three immune-receptor tyrosine-based inhibitory motifs. This protein may play a role in the function of memory B-cells in the epithelia. Aberrations in the chromosomal region encoding this gene are associated with non-Hodgkin lymphoma and multiple myeloma.

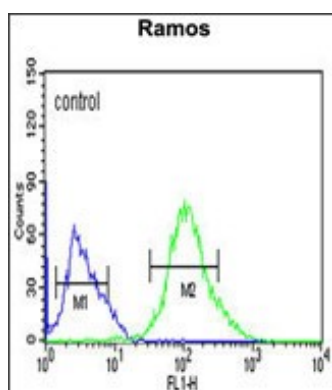
## References

Davila, S., et al. Genes Immun. (2010) In press :  
Weiss, G.E., et al. J. Immunol. 183(3):2176-2182(2009)  
Kazemi, T., et al. Cancer Immunol. Immunother. 58(6):989-996(2009)  
Falini, B., et al. Blood 102(10):3684-3692(2003)

## Images

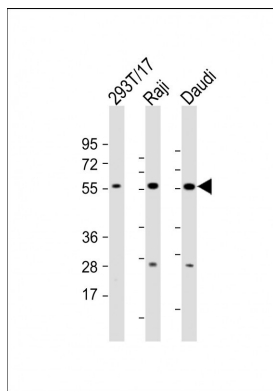


FCRL4 Antibody (C-term) (Cat. #AP9847b) IHC analysis in formalin fixed and paraffin embedded tonsil carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FCRL4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

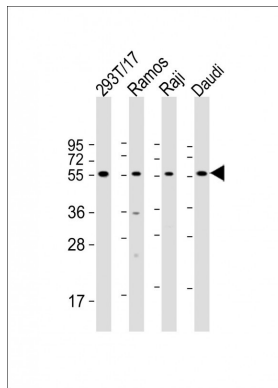


FCRL4 Antibody (C-term) (Cat. #AP9847b) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

All lanes : Anti-FCRL4 Antibody (C-term) at 1:2000 dilution  
Lane 1: 293T/17 whole cell lysate Lane 2: Raji whole cell lysate Lane 3: Daudi 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 : 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-FCRL4 Antibody (C-term) at 1:2000 dilution  
Lane 1: 293T/17 whole cell lysate Lane 2: Ramos whole cell lysate Lane 3: Raji whole cell lysate Lane 4: Daudi 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 : 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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