

FCRL5 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14582

Product Information

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| Application | WB |
| Primary Accession | Q96RD9 |
| Other Accession | NM_031281 , NP_112571 |
| Reactivity | Human |
| Predicted | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 106437 |

Additional Information

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|-------------------------------------|--|
| Gene ID | 83416 |
| Alias Symbol | BXMAS1, CD307, DKFZp667E2019, DKFZp667F216, FCRH5, FLJ00333, FLJ00397, IRTA2, MGC119590, MGC119592, MGC119593, PRO820 |
| Other Names | Fc receptor-like protein 5, FcR-like protein 5, FcRL5, BXMAS1, Fc receptor homolog 5, FcRH5, Immune receptor translocation-associated protein 2, CD307e, FCRL5, FCRH5, IRTA2 |
| Format | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| Reconstitution & Storage | Add 50 ul of distilled water. Final anti-FCRL5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| Precautions | FCRL5 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|-----------------|---|
| Name | FCRL5 |
| Synonyms | FCRH5, IRTA2 |
| Function | Plays an important role in B-cell response to antigen that acts both as a negative or positive coreceptor. Inhibits B-cell receptor (BCR) signaling in the absence of CR2 stimulation but engagement with CR2 and the BCR lead to a superior calcium response compared to CR2 and BCR costimulation (PubMed: 30107486). May be involved in B-cell development and differentiation in peripheral lymphoid organs and may be useful markers of |

B-cell stages. May have an immunoregulatory role in marginal zone B-cells. May play a role in fertilization (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed in marginal zone B-cells, immunoblasts, tonsillar germinal center centrocytes and in the intraepithelial and interfollicular regions of the tonsil. Expressed in many lymphoma cell lines and on hairy cell leukemia cells. Isoform 1, isoform 3, isoform 4 and isoform 5 are detected in lymph node, spleen, bone marrow, and small intestine with preponderance of isoform 3. Expressed in mature and memory B-cells and down-regulated in germinal center cells (at protein level).

References

Nakayama Y.,et al.Biochem. Biophys. Res. Commun. 285:830-837(2001).

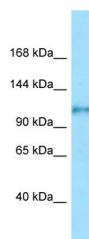
Hatzivassiliou G.,et al.Immunity 14:277-289(2001).

Davis R.S.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:9772-9777(2001).

Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Images



WB Suggested Anti-FCRL5 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Small Intestine

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