

Rabbit Anti-FCRH1/FCRL1 Polyclonal: RC0321

Intended Use: For Research Use Only

Description: The Fc receptor like protein (FCRL) or Fc receptor homolog (FCRH) family of proteins are related to the classical Fc receptors (FcR) and belong to the immunoglobulin receptor superfamily. The proteins in the FCRH family are type I transmembrane glycoproteins and consist of FcRH1-FcRH6. The genes encoding the human FCRH proteins map to chromosome 1, near the related FCR genes. The FCRH proteins, which are involved in immune system regulation, have immunoreceptor-tyrosine inhibitory motifs in their cytoplasmic domains. Mutations in the gene encoding for the FCRH proteins may be associated with systemic lupus erythematosus, autoimmune thyroid disease and rheumatoid arthritis. The FCRH genes are expressed primarily, although not exclusively, by mature B lineage cells, and may serve important regulatory roles in normal and neoplastic B cell development. The encoded protein contains three extracellular C2-like immunoglobulin domains, a transmembrane domain and a cytoplasmic domain with two immunoreceptor-tyrosine activation motifs. This protein may play a role in the regulation of cancer cell growth.

Specifications

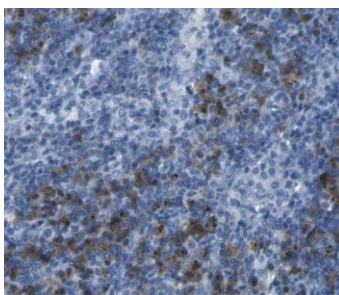
Clone: Polyclonal
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Immunogen: KLH conjugated synthetic peptide aa 251-350/429 derived from human FCRL1
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, ICC/IF, WB
 Package:

Description	Catalog No.	Size
FCRH1/FCRL1 Polyclonal Concentrated	RC0321	1 ml

IHC Procedure*

Positive Control Tissue: Salivary gland
 Concentrated Dilution: 10-50
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: Overnight @ 4°C
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human lymph node stained with anti-FCRH1 using DAB

References:

1. Expression of human B-Cell specific receptor FCRL1 in healthy individuals and in patients with autoimmune diseases. K. O. Baranov, et al. Molecular Biology volume 46, pages450–456, 2012.
2. Expression pattern of the human FcRH/IRTA receptors in normal tissue and in B-chronic lymphocytic leukemia. Andrew G Polson, et al. Int Immunol. Sep;18(9):1363-73, 2006.