10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FCRL4 Rabbit pAb

Catalog # AP99629

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96PJ5
Other Accession	Q96PJ5
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57224
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FCRL4
Epitope Specificity	121-220/515
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 4 Ig-like C2-type (immunoglobulin-like) domains.
Post-translational modifications	Phosphorylated on cytoplasmic tyrosines upon activation
DISEASE	Note=A chromosomal aberration involving FCRL4 is found in non-Hodgkin lymphoma (NHG). Translocation t(1;1)(p36.3; q21.1-2). Note=A chromosomal aberration involving FCRL4 is found in multiple myeloma (MM). Translocation t(1;14)(q21;q32) that forms a FCRL4-IGHA1 fusion protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Apr 2009]

Additional Information

Gene ID	83417
Other Names	CD307d; FCRH4; IGFP2; IRTA1; FCRL4_HUMAN; FCRL4; FcR-like protein 4; Fc receptor homolog 4 (FcRH4); IFGP family protein 2 (hIFGP2); Immune receptor translocation-associated protein 1; IFGP2; Fc receptor like 4; Fc receptor-like 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FCRL4
Synonyms	FCRH4, IFGP2, IRTA1
Function	May function as an inhibitor of the B-cell receptor signaling. May function in the B-cell-mediated immune response.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	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)

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