

For Research Use Only

FCRL1 Polyclonal antibody

Catalog Number: 33184-1-AP



Basic Information

Catalog Number:

33184-1-AP

Concentration:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3713

GenBank Accession Number:

BC033690

GeneID (NCBI):

115350

UNIPROT ID:

Q96LA6

Full Name:

Fc receptor-like 1

Calculated MW:

429 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse heart tissue, rat heart tissue

Background Information

Fc receptor-like protein 1 (FCRL1) is a type I transmembrane glycoprotein that plays a crucial role in regulating B-cell receptor (BCR)-mediated signaling responses (PMID:15479727). It contains intracellular tyrosine-based motifs that can modulate BCR signaling, leading to changes in calcium flux, proliferation, and antibody production (PMID: 37822931). FCRL1 is involved in regulating B-cell development and activation, with its signaling pathways influencing ERK activation through interactions with proteins such as GRB2. This regulation is essential for maintaining B-cell homeostasis and preventing the development of autoreactive B cells (PMID: 34697226).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

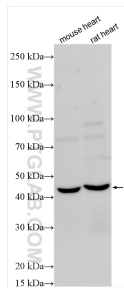
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33184-1-AP (FCRL1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.