

For Research Use Only

RAG1 Monoclonal antibody, PBS Only



Catalog Number: 68591-1-PBS

Basic Information

Catalog Number:

68591-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG30192

GenBank Accession Number:

NM_000448

GeneID (NCBI):

5896

UNIPROT ID:

P15918

Full Name:

recombination activating gene 1

Calculated MW:

119 kDa

Observed MW:

110-119 kDa

Purification Method:

Protein A purification

CloneNo.:

3A1A4

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human, mouse

Background Information

Recombination-activating gene (RAG) proteins include RAG1 and RAG2, which are crucial for Ig and T lymphocyte receptor (TCR) fragment rearrangement and are responsible for DNA recognition and cleavage at specific sequences. Mutations in RAG1 result in the complete or partial loss of recombinant enzyme activity, in unbalanced variable-diversity-joining (V(D)J) recombination, and in the impairment of T and B lymphocyte development at the early stages.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

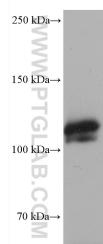
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 68591-1-Ig (RAG1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68591-1-PBS in a different storage buffer formulation.