

RAG1 Monoclonal antibody

Catalog Number: 68591-1-Ig

Basic Information

Catalog Number:

68591-1-Ig

Size:

1000 µg/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:

110-120 kDa

Purification Method:

Protein A purification

CloneNo.:

3A1A4

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : mouse thymus tissue,

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:

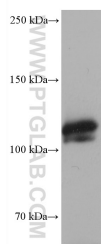
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.