

For Research Use Only

RAG1 Monoclonal antibody

Catalog Number: 68591-1-Ig



Basic Information

Catalog Number: 68591-1-Ig	GenBank Accession Number: NM_000448	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5896	CloneNo.: 3A1A4
Source: Mouse	Full Name: recombination activating gene 1	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG2b	Calculated MW: 119 kDa	
Immunogen Catalog Number: AG30192	Observed MW: 100-110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse thymus tissue,
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 -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

*** 20ul sizes contain 0.1% BSA

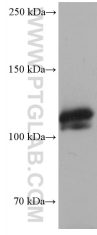
For technical support and original validation data for this product please contact:

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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.