

For Research Use Only

RAG1 Monoclonal antibody

Catalog Number: 68591-1-Ig **1 Publications**



Basic Information

Catalog Number: 68591-1-Ig	GenBank Accession Number: NM_000448	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 5896	CloneNo.: 3A1A4
Source: Mouse	UNIPROT ID: P15918	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG2b	Full Name: recombination activating gene 1	
Immunogen Catalog Number: AG30192	Calculated MW: 119 kDa	
	Observed MW: 110-120 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 (VDJ) recombination, and in the impairment of T and B lymphocyte development at the early stages.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhiyuan Niu	39818378	Int J Biol Macromol	

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:

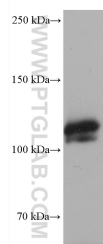
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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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.