

For Research Use Only

RAG1 Monoclonal antibody, PBS Only



Catalog Number: 68591-1-PBS

Basic Information

Catalog Number: 68591-1-PBS	GenBank Accession Number: NM_000448	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5896	CloneNo.: 3A1A4
Source: Mouse	UNIPROT ID: P15918	
Isotype: IgG2b	Full Name: recombination activating gene 1	
Immunogen Catalog Number: AG30192	Calculated MW: 119 kDa	
	Observed MW: 110-119 kDa	

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.

Storage Buffer:
PBS Only

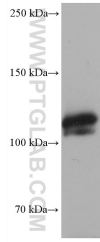
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 68591-1-PBS in a different storage buffer formulation.