

For Research Use Only

# RAG1 Monoclonal antibody, PBS Only



Catalog Number: 68591-1-PBS

## Basic Information

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

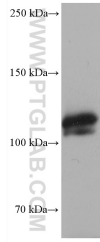
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## Selected Validation Data



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.