

For Research Use Only

RAG2 Polyclonal antibody, PBS Only

Catalog Number:11825-1-PBS



Basic Information

Catalog Number:

11825-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2393

GenBank Accession Number:

BC022397

GeneID (NCBI):

5897

UNIPROT ID:

P55895

Full Name:

recombination activating gene 2

Calculated MW:

527 aa, 59 kDa

Observed MW:

57-62 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Recombination activating gene 2(RAG2) is core part of the RAG complex(RAG1 and RAG2), which mediates the DNA cleavage phase during V(D)J recombination. The RAG complex also plays a role in pre-B cell allelic exclusion, a process leading to expression of a single immunoglobulin heavy chain allele to enforce clonality and monospecific recognition by the B-cell antigen receptor (BCR) expressed on individual B-lymphocytes. The introduction of DNA breaks by the RAG complex on one immunoglobulin allele induces ATM-dependent repositioning of the other allele to pericentromeric heterochromatin, preventing accessibility to the RAG complex and recombination of the second allele. In the RAG complex, RAG2 is not the catalytic component but is required for all known catalytic activities mediated by RAG1. It probably acts as a sensor of chromatin state that recruits the RAG complex to H3K4me3

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

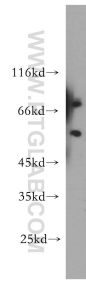
T: 4006900926

E: Proteintech-CN@ptglab.com

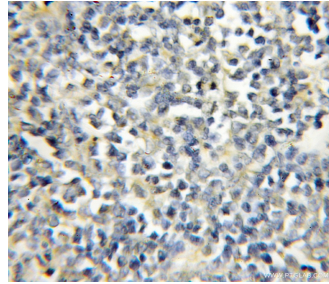
W: ptgcn.com

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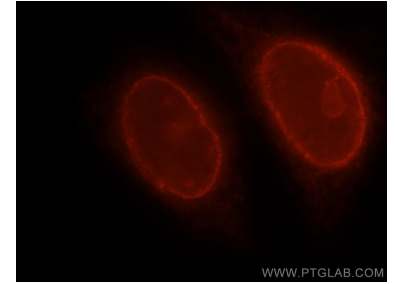
Selected Validation Data



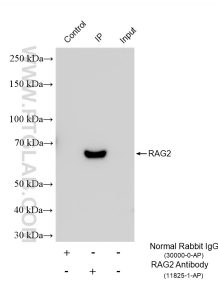
A375 cells were subjected to SDS PAGE followed by western blot with 11825-1-AP (RAG2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11825-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 11825-1-AP (RAG2 antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 11825-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HeLa cells, using RAG2 antibody 11825-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). This data was developed using the same antibody clone with 11825-1-PBS in a different storage buffer formulation.



IP result of anti-RAG2 (IP:11825-1-AP, 4ug; Detection:11825-1-AP 1:500) with mouse thymus tissue lysate 1000 ug. This data was developed using the same antibody clone with 11825-1-PBS in a different storage buffer formulation.