

À des fins de recherche uniquement

Anticorps Monoclonal anti-RAG2

Numéro de catalogue: 66998-1-Ig



Informations de base

Numéro de catalogue: 66998-1-Ig	Numéro d'acquisition GenBank: BC022397	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 2400 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 5897	CloneNo.: 1B4E5
Hôte: Mouse	Nom complet: recombination activating gene 2	Dilutions recommandées: WB 1:1000-1:8000 IF 1:400-1:1600
Isotype: IgG1	MW calculé 527 aa, 59 kDa	
Immunogen Catalog Number: AG16780	MW observés: 57-62 kDa	

Applications

Applications testées: IF, WB, ELISA	Contrôles positifs: WB : cellules Jurkat, cellules Raji, cellules Ramos IF : cellules HepG2,
Spécificité de l'espèce: Humain, porc	

Informations générales

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

Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

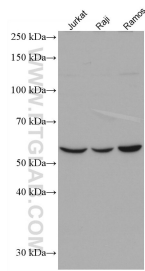
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

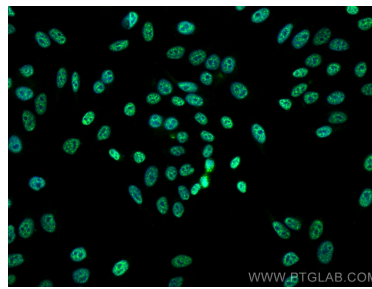
E: proteintech@ptglab.com
W: ptglab.com

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Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 66998-1-Ig (RAG2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RAG2 antibody (66998-1-Ig, Clone: 1B4E5) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).