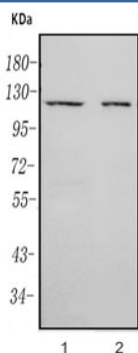


RAG1 Antibody / Recombination activating gene 1 (RQ6151)

Catalog No.	Formulation	Size
RQ6151	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P15918
Applications	Western blot : 1-2ug/ml
Limitations	This RAG1 antibody is available for research use only.



Western blot testing of 1) human Jurkat and 2) mouse thymus lysate with RAG1 antibody. Predicted molecular weight ~120 kDa.

Description

Recombination activating gene 1 also known as RAG-1 is a protein that in humans is encoded by the RAG1 gene. The protein encoded by this gene is involved in activation of immunoglobulin V-D-J recombination. The encoded protein is involved in recognition of the DNA substrate, but stable binding and cleavage activity also requires RAG2. Defects in this gene can be the cause of several diseases.

Application Notes

Optimal dilution of the RAG1 antibody should be determined by the researcher.

Immunogen

Amino acids KHHWLYTSKYLQKFMNA from the human protein were used as the immunogen for the RAG1 antibody.

Storage

After reconstitution, the RAG1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.