
Product Information

Product SKU:	CAB12488	Gene ID:	5897	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Mouse

Additional Information

Observed MW:	59kDa	Conjugate:	Unconjugated
Calculated MW:	59kDa	Isotype:	IgG

Immunogen Information

Background:	This gene encodes a protein that is involved in the initiation of V(D)J recombination during B and T cell development. This protein forms a complex with the product of the adjacent recombination activating gene 1, and this complex can form double-strand breaks by cleaving DNA at conserved recombination signal sequences. The recombination activating gene 1 component is thought to contain most of the catalytic activity, while the N-terminal of the recombination activating gene 2 component is thought to form a six-bladed propeller in the active core that serves as a binding scaffold for the tight association of the complex with DNA. A C-terminal plant homeodomain finger-like motif in this protein is necessary for interactions with chromatin components, specifically with histone H3 that is trimethylated at lysine 4. Mutations in this gene cause Omenn syndrome, a form of severe combined immunodeficiency associated with autoimmune-like symptoms.
Recommended Dilution:	WB, 1:500 - 1:2000
Synonyms:	RAG-2; RAG2
Purification Method:	Affinity purification
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 258-527 of human RAG2 (NP_001230715.1).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.