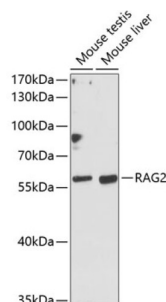


Recombination Activating Gene 2 (RAG2) Antibody

Catalogue No.: abx004301



Western blot analysis of extracts of various cell lines using RAG2 Antibody (1/1000 dilution).

RAG2 Antibody is a Rabbit Polyclonal antibody against RAG2. 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.

Target: Recombination Activating Gene 2 (RAG2)

Clonality: Polyclonal

Reactivity: Mouse

Tested Applications: WB

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant fusion protein corresponding to human RAG2

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 5.0.0
Revision date: 13 Mar 2025



UniProt Primary AC: P55895 ([UniProt](#), [ExPASy](#))

Gene Symbol: RAG2

GeneID: [5897](#)

NCBI Accession: NP_000527.2

KEGG: hsa:5897

String: [9606.ENSP00000478672](#)

Molecular Weight: Calculated MW: 59 kDa
Observed MW: 59 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only