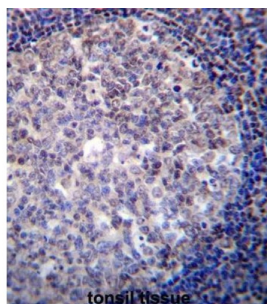


## Recombination Activating Gene 2 (RAG2) Antibody

Catalogue No.: abx026817



This product is currently in development. The lead time for this product may be several months. Please contact us at [info@abbexa.com](mailto:info@abbexa.com) for an updated lead time before purchasing this product.

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:** Human, Mouse

# Datasheet

Version: 2.0.0  
Revision date: 25 Aug 2025



<b>Tested Applications:</b>	ELISA, WB, IHC, FCM
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/1000, IHC-P: 1/10 - 1/50, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	KLH-conjugated synthetic peptide between 349-377 amino acids from the C-terminal region of human RAG2.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified through a protein A column, followed by peptide affinity purification.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P55895 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>KEGG:</b>	hsa:5897
<b>String:</b>	<a href="#">9606.ENSP00000478672</a>
<b>Molecular Weight:</b>	Calculated MW: 59.2 kDa
<b>Buffer:</b>	PBS containing 0.09% sodium azide.
<b>Specificity:</b>	Predicted to react with Rabbit RAG2.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.