

RAG2 Polyclonal Antibody | anti-RAG2 antibody

Anti-RAG2 Antibody

CATALOG # AAA46249	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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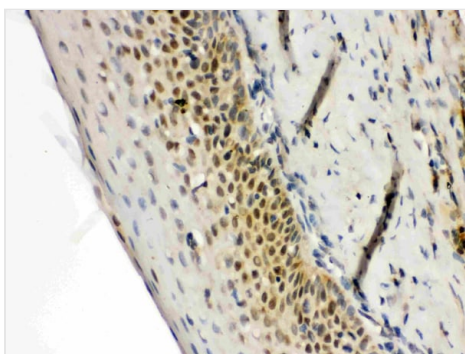
PRODUCT SYNONYMS

RAG2; Polyclonal Antibody; Anti-RAG2 Antibody; V(D)J recombination-activating protein 2; RAG 2; RAG-2; RAG2_HUMAN; Recombination activating gene 2; V(D)J recombination activating protein 2; recombination activating gene 2; anti-RAG2 antibody

PRODUCT SPECIFICATIONS

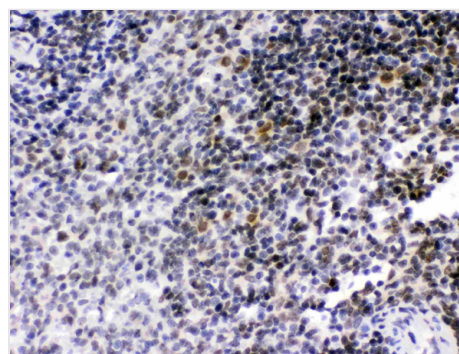
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	527
Applicable Applications for anti-RAG2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human RAG2 (498-527aa KKPPMKSLRKKGSGKILTPAKKSFLRLFD), different from the related mouse sequence by three amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



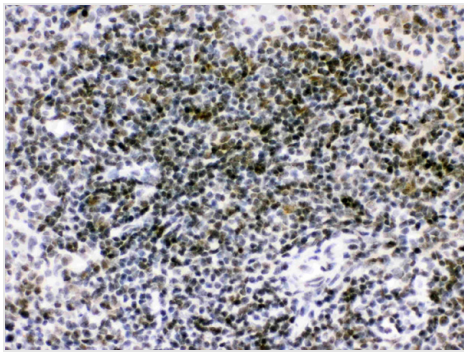
IHC (Immunohistochemistry)

Anti- RAG2 Picoband antibody, AAA46249, IHC(P)IHC(P): Human Tonsil Tissue

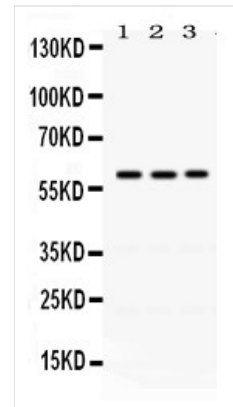


IHC (Immunohistochemistry)

Anti- RAG2 Picoband antibody, AAA46249, IHC(P)IHC(P): Rat Spleen Tissue



IHC (Immunohistochemistry)
Anti- RAG2 Picoband antibody, AAA46249, IHC(P)IHC(P): Mouse Spleen Tissue



WB (Western Blot)
Anti- RAG2 Picoband antibody, AAA46249, Western blottingAll lanes: Anti RAG2 (AAA46249) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: 22RV1 Whole Cell Lysate at 40ugLane 3: U2OS Whole Cell Lysate at 40ugPredicted bind size: 59KDObserved bind size: 59KD

ADDITIONAL INFORMATION

Related Product Information for anti-RAG2 antibody	Description: Rabbit IgG polyclonal antibody for V(D)J recombination-activating protein 2(RAG2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Recombination activating gene 2, also known as RAG-2, is a protein that in humans is encoded by the RAG2 gene. 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.
References	1. "Entrez Gene: Recombination activating gene 2". 2. Callebaut, I., Mornon, J.-P. The V(D)J recombination activating protein RAG2 consists of a six-bladed propeller and a PHD fingerlike domain, as revealed by sequence analysis. Cell. Molec. Life Sci. 54: 880-891, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	151301080
NCBI GeneID	5897
NCBI Accession #	NP_000527.2
NCBI GenBank Nucleotide #	NM_000536.3
UniProt Accession #	P55895; Q8TBL4; A8K9E9
Molecular Weight	59,241 Da
NCBI Official Full Name	V(D)J recombination-activating protein 2
NCBI Official Synonym Full Names	recombination activating gene 2
NCBI Official Symbol	RAG2
NCBI Official Synonym Symbols	RAG-2
NCBI Protein Information	V(D)J recombination-activating protein 2
UniProt Protein Name	V(D)J recombination-activating protein 2

UniProt Gene Name	RAG2
UniProt Synonym Gene Names	RAG-2
UniProt Entry Name	RAG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rag2-antibody-immunohistochemistry-western-blot-elisa/46249>