

Rabbit RAG2 Polyclonal Antibody | anti-RAG2 antibody

RAG2 Polyclonal Antibody

CATALOG # AAA280188	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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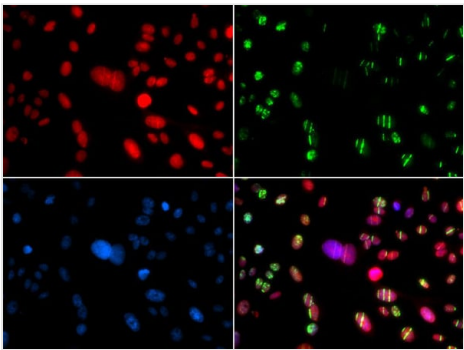
PRODUCT SYNONYMS

RAG2; Polyclonal Antibody; RAG2 Polyclonal Antibody; RAG-2; anti-RAG2 antibody

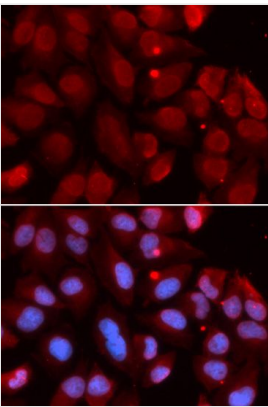
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	527
Applicable Applications for anti-RAG2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human RAG2
Calculated Molecular Weight	59kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

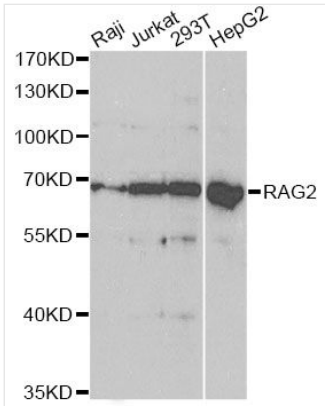
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using RAG2 antibody. Green:GFP-RNF168 fusion protein expression for DNA damage marker.Blue: DAPI for nuclear staining.RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using RAG2 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using RAG2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-RAG2 antibody	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.
Product Categories/Family for anti-RAG2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	2498830
NCBI GeneID	5897
UniProt Accession #	P55895; Q8TBL4; A8K9E9
Molecular Weight	527

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; 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-immunofluorescence-immunohistochemistry-western-blot-elisa/280188>