

Rabbit anti-Human RAG2 Polyclonal Antibody | anti-RAG2 antibody

RAG2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301591	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

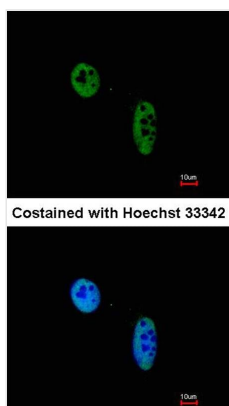
PRODUCT SYNONYMS

RAG2; Polyclonal Antibody; RAG2 antibody; anti-RAG2 antibody

PRODUCT SPECIFICATIONS

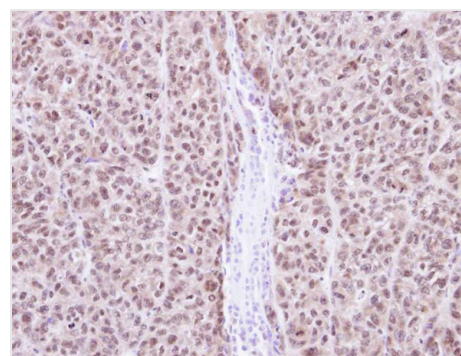
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified by antigen-affinity chromatography.
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Sequence Length	527
Applicable Applications for anti-RAG2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 271 and 519 of RAG2
Target Name	RAG2
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



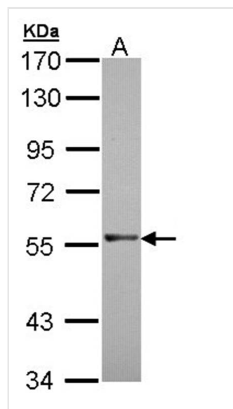
IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using RAG2 antibody at 1: 200 dilution.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded DLD1 Xenograft, using RAG2 antibody at 1: 100 dilution.



Application Data

Sample (30 ug of whole cell lysate) A: Molt-4 7.5% SDS PAGE Primary antibody diluted at 1:1000

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. [provided by RefSeq]

Product Categories/Family for anti-RAG2 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	151301080
NCBI GeneID	5897
NCBI Accession #	NP_000527
NCBI GenBank Nucleotide #	NM_000536.3
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.

