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Datasheet for ABIN6146663 anti-RAG2 antibody (AA 258-527)

3 Images



Overview

Quantity:	100 µL
Target:	RAG2
Binding Specificity:	AA 258-527
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAG2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 258-527 of human RAG2 (NP_001230715.1).
Sequence:	VSSAILTQTN NDEFVIVGGY QLENQKRMIC NIISLEDNKI EIREMETPDW TPDIKHSKIW FGSNMGNGTV FLGIPGDNKQ VVSEGFYFYM LKCAEDDTNE EQTTFTNSQT STEDPGDSTP FEDSEEFCFS AEANSFDGDD EFDTYNEDDE EDESETGYWI TCCPTCDVDI NTWVPFYSTE LNKPAMIYCS HGDGHWVHAQ CMDLAERTLI HLSAGSNKYY CNEHVEIARA LHTPQRVLPL KKPPMKSLRK KGSGKILTPA KKSFLRRLFD
lsotype:	lgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

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Target Details

Alternative Name:RAG2 (RAG2 Products)Background: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.,RAG2,RAG-2,Epigenetics & Nuclear Signaling,DNA Damage & Repair,RAG2Molecular Weight:59 kDaGene ID:5897UniProt:P55895		
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	Gene ID:	5897
Pathways: Chromatin Binding, Production of Molecular Mediator of Immune Response	UniProt:	P55895
	Pathways:	Chromatin Binding, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

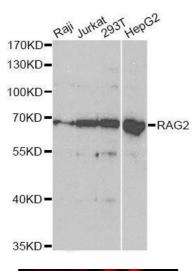
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

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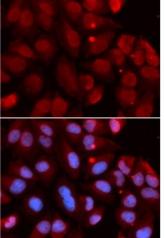
Store at -20°C. Avoid freeze / thaw cycles.

Images



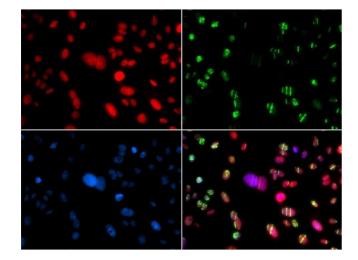
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using RAG2 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cells using RAG2 antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using RAG2 antibody.

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