

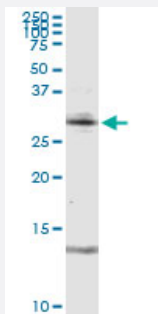
MaxPab®

RAG2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005897-D01P

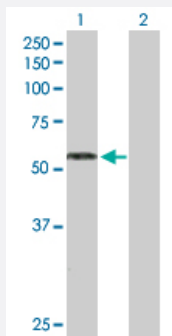
Size 100 ug

Applications



Western Blot (Tissue lysate)

RAG2 MaxPab rabbit polyclonal antibody. Western Blot analysis of RAG2 expression in rat liver.



Western Blot (Transfected lysate)

Western Blot analysis of RAG2 expression in transfected 293T cell line ([H00005897-T02](#)) by RAG2 MaxPab polyclonal antibody.

Lane 1: RAG2 transfected lysate(59.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human RAG2 protein.

Immunogen

RAG2 (NP_000527.1, 1 a.a. ~ 527 a.a) full-length human protein.

Sequence

MSLQMVTVSNNIALIQPGFSLMNFDDGQVFFFGQKGWPKRSCPTGVFHLDVKHNNHVKLKPTIFSKD
SCYLPPLRYPATCTFKGSLESEKHQYIIHGGKTPNNEVSDKIYVMSVCKNNKKVTRFCTEKDLVGD
VPEARYGHSINVVYSRGKSMGALFGGRSYMPSTHRTTEKWNSVADCLPCVFLVDFFEGCATSYIL
PELQDGLSFHVSIKNDTIYLGGHSLANNIRPANLYRIRVDLPLGSPAVNCTVLPGGISVSSAILTQT
NNDEFVIVGGYQLENQKRMICNIISLEDNKIEIREMETPDWTPDIKHSKWFGSNTGNGTVFLGIPGD
NKQVVSEGFYFYMLKCAEDDTNEEQTTFTNSQTSTEDPGDSTPFEDSEEFCSAEANSFDGDD
EFDTYNEDDEEDESSETGYWITCCPTCDVDINTWVPFYSTELNKPAMICYSHGDGHVWHAQCMDL
AERTLIHLSAGSNKYCNEHVEIARALHTPQRVLPKPPMKSLRKKGSGKILTPAKKSFLRRLFD

Host	Rabbit
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (88); Rat (89)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Tissue lysate)

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[Protocol Download](#)

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Gene Info — RAG2

Entrez GeneID	5897
GeneBank Accession#	NM_000536.1
Protein Accession#	NP_000527.1
Gene Name	RAG2
Gene Alias	RAG-2
Gene Description	recombination activating gene 2
Omim ID	179616 601457 603554
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

V(D)J recombination-activating protein 2

Pathway

- [Primary immunodeficiency](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Immunologic Deficiency Syndromes](#)
- [Lymphoma](#)
- [Lymphopenia](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Severe combined immunodeficiency](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)