

OriGene Technologies, Inc.

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Product datasheet for TA380684

RAG2 Rabbit Polyclonal Antibody

Product data:

| Applications:ElSA WBRecommended Dilution:WB,1:500-1:2000 ElSA Recommended starting concentration is 1 µg/mL Please optimize the concentrationReactivity:MouseNouseInnodifications:Modifications:UnmodifiedNotafications:BabitIsotype:IgGClonality:PlocinalMotifications:Biffer: PlS with 0.09% Sodium azide, 50% glycerol, plAT, 20%Formulation:Unspecification of the place of th | Product Type: | Primary Antibodies |
|---|-------------------------|--|
| ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.Reactivity:MouseModifications:UnmodifiedHost:RabbitIsotype:IgGClonality:PolyclonalFormulation:Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.Concentration:Iot specific | Applications: | ELISA, WB |
| Modifications:UnmodifiedHost:RabbitIsotype:IgGClonality:PolyclonalFormulation:Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.Concentration:Iot specific | Recommended Dilution: | ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration |
| Host:RabbitIsotype:IgGClonality:PolyclonalFormulation:Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.Concentration:Ico specific | Reactivity: | Mouse |
| Isotype:IgGClonality:PolyclonalFormulation:Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.Concentration:Iot specific | Modifications: | Unmodified |
| Clonality:PolyclonalFormulation:Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.Concentration:lot specific | Host: | Rabbit |
| Formulation:Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.Concentration:lot specific | lsotype: | lgG |
| Concentration: lot specific | Clonality: | Polyclonal |
| | Formulation: | Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3. |
| | Concentration: | lot specific |
| Purification: Affinity purification | Purification: | Affinity purification |
| Conjugation: Unconjugated | Conjugation: | Unconjugated |
| Storage:Store at -20°C. Avoid freeze / thaw cycles. | Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability:Shelf life: one year from despatch. | Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: 59kDa | Predicted Protein Size: | 59kDa |
| Gene Name: recombination activating gene 2 | Gene Name: | recombination activating gene 2 |
| Database Link: P55895 | Database Link: | <u>P55895</u> |



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GRIGENE RAG2 Rabbit Polyclonal Antibody – TA380684

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.

Synonyms:

RAG-2

Product images:



Western blot analysis of various lysates using RAG2 Rabbit pAb (TA380684) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

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