

Rabbit Ribulose-1,5-bisphosphate carboxylase oxygenase Polyclonal Antibody | anti-RuBisCO antibody

Rabbit anti-Ribulose-1, 5-bisphosphate carboxylase oxygenase polyclonal Antibody, Biotin conjugated

CATALOG # AAA81479	HOST Rabbit	REACTIVITY Spinach (plant)	APPLICATIONS ELISA
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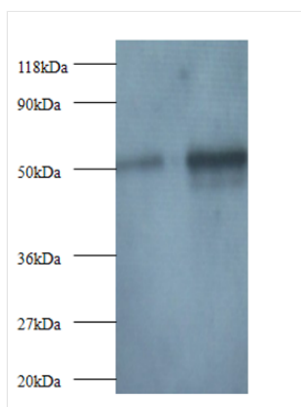
PRODUCT SYNONYMS

Ribulose-1; 5-bisphosphate carboxylase oxygenase; Polyclonal Antibody; Rabbit anti-Ribulose-1; 5-bisphosphate carboxylase oxygenase polyclonal Antibody; Biotin conjugated; anti-RuBisCO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Spinach (plant)
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	489
Applicable Applications for anti-RuBisCO antibody	ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Biotin
Immunogen	Ribulose-1,5-bisphosphate carboxylase oxygenase
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-RuBisCO antibody	Ribulose-1,5-bisphosphate carboxylase oxygenase, most commonly known by the shorter name RuBisCO, is an enzyme involved in the Calvin cycle that catalyzes the first major step of carbon fixation, a process by which the atoms of atmospheric carbon dioxide are made available to organisms in the form of energy-rich molecules such as glucose. RuBisCO catalyzes either the carboxylation or the oxygenation of ribulose-1,5-bisphosphate (also known as RuBP) with carbon dioxide or oxygen. RuBisCO is very important in terms of biological impact because it catalyzes the primary chemical reaction by which inorganic carbon permanently enters the biosphere. Many autotrophic bacteria and archaea fix carbon via the reductive acetyl CoA pathway, the 3-hydroxypropionate cycle or the reverse Krebs cycle, but they make up a relatively minor portion of global net primary production. Phosphoenolpyruvate carboxylase PEPC only temporarily fixes carbon. RuBisCO is also the most abundant protein in leaves, and is considered to be the most abundant protein on Earth. It accounts for 50% of soluble leaf protein in C3 plants (20-30% of total leaf nitrogen) and 30% of soluble leaf protein in C4 plants (5-9% of total leaf nitrogen). Given its important role in the biosphere, there are currently efforts to genetically engineer crop plants so as to contain more efficient RuBisCO.
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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/ribulose-1-5-bisphosphate-carboxylase-oxygenase-antibody-elisa/81479>