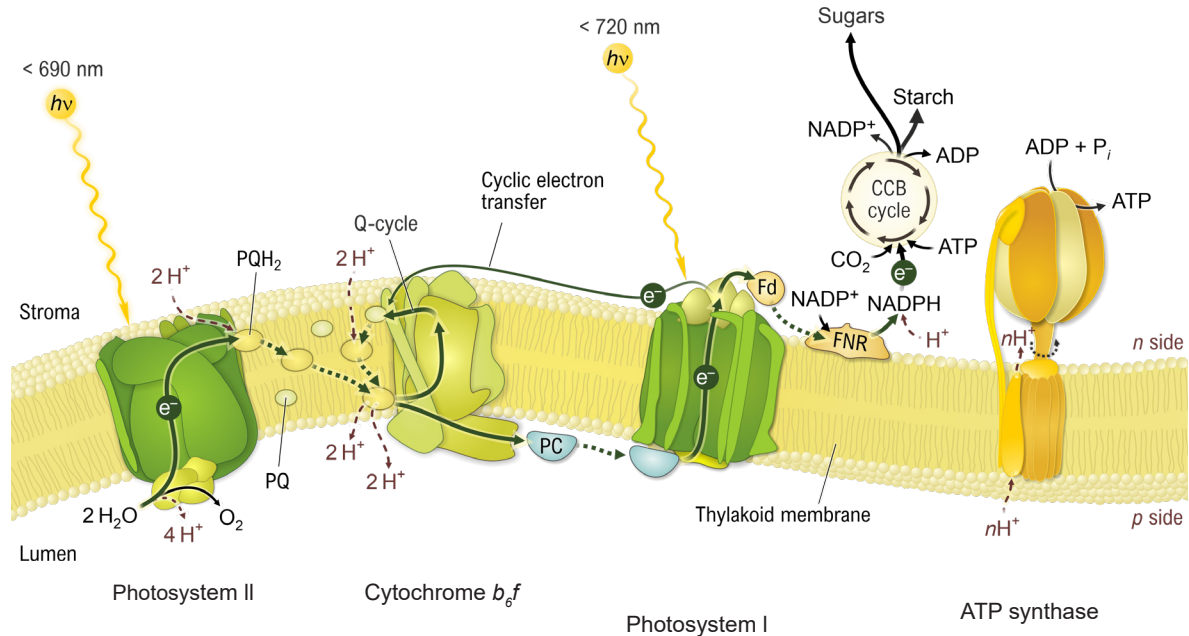


# Antibodies for Photosynthesis

- ✓ The most comprehensive collection on the market
- ✓ Available off-the-shelf today
- ✓ Antibodies for thousands of plant and algal species
- ✓ Supported by a strong publication record



All photosynthesis graphics in this poster designed by @SciGrafik

## The Plant Science Antibody Supplier of the Year

In 2019 Agrisera was awarded with a brand new award, The Plant Science Antibody Supplier of the Year by CiteAb, for being the company with the most antibody citations for research related to plant science during the preceding year.



## The most published Rubisco antibody on the market

RbcL | Rubisco large subunit, form I

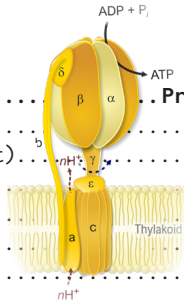
Product #: [AS03 037](#)

- ✓ Reactivity to thousands of species
- ✓ Validated in WB, IL, IF, IG and tissue printing
- ✓ Available off-the shelf today

## Agrisera's most popular photosynthesis antibodies

Below are lists of chosen Agrisera antibodies to proteins involved in photosynthesis.  
To browse the full collection, visit [www.agrisera.com](http://www.agrisera.com).

### ATP synthase



Product name	Product number	Applications
AtpA   Alpha subunit of ATP synthase, chloroplastic	AS08 304	IP, WB
AtpB   Beta subunit of ATP synthase, chloroplastic + mitoch (rabbit)	AS05 085	BN-PAGE, IF, WB
AtpC   Gamma subunit of ATP synthase, chloroplastic	AS08 312	WB
AtpD   CF1 delta subunit of ATP synthase	AS10 1591	WB
AtpE   Epsilon subunit of ATP synthase	AS10 1586	WB
AtpG   ATPsynthase subunit II b' (chloroplastic)	AS09 457	WB
AtpH   ATP synthase subunit c, chloroplastic	AS05 071	WB
AtpI   CFoIV subunit of ATP synthase	AS10 1583	WB

### Biogenesis/architecture

Product name	Product number	Applications
ARC5   Dynamin-like protein ARC5	AS13 2676	WB
CURT1A   Curvature thylakoid 1A	AS08 316	2D BN-PAGE, WB
CURT1B   Curvature thylakoid 1B	AS19 4289	WB
CURT1C   Curvature thylakoid 1C	AS19 4287	2D BN-PAGE, WB
CURT1D   Curvature thylakoid 1D	AS19 4288	2D BN-PAGE, WB
PGL35   Plastoglobulin 35; FIB1a; FBN1a	AS06 116	ICC, WB
SVR4-like   Suppressor of variegation 4 - like	AS13 2726	WB
SRP43   Signal recognition peptide 43	AS12 2105	WB

### Carotenoid metabolism

Product name	Product number	Applications
IPP isomerase   Isopentyl pyrophosphate isomerase	AS13 2710	WB
LYC   Lycopene beta cyclase (chloroplastic)	AS13 2709	WB
NtrC   Thioredoxin reductase (TR/TRxR)	AS06 159	WB
PSY   Phytoene synthase	AS16 3991	WB

### Chaperones/Transporters

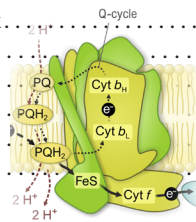
Product name	Product number	Applications
LTP   Vesicle-inducing protein in plastids (VIPP1)	AS06 145	WB
Tic40   Inner envelope membrane translocon complex protein (chloroplast)	AS10 709	IF, WB
Toc75   Protein TOC75-3, chloroplastic, POTRA domain 1	AS08 345	Flow cyt, IL, WB
Toc75   Protein TOC75-3, chloroplastic, POTRA domain 3	AS08 351	FACS, IL, WB

## Chlorophyll

Product name	Product number	Applications
ACD1   Accelerated cell death 1	AS11 1783	WB
CHLH (GUN5)   Magnesium-chelatase subunit ChlH, chloroplastic	AS22 4712	WB
CRD1   Cyanobacterial homolog of plant CHL27 cyclase	AS06 122	WB
GluTR   Glutamyl -tRNA reductase	AS10 689	WB
HemH   Protoporphyrin ferrochelatase	AS07 228	WB
POR   Protochlorophyllide oxidoreductase	AS05 067	WB

## Electron transfer

Product name	Product number	Applications
Cyt b6/PetB   Thylakoid membrane cytochrome b6 protein, N terminal	AS18 4169	BN-PAGE, WB
Cyt f   Cytochrome f protein (PetA) of thylakoid Cyt b6/f-complex	AS20 4377	WB
Fd   Ferredoxin 1 (chloroplastic)	AS11 1757	WB
FDX1   Ferredoxin	AS06 121	WB
PC   Plastocyanin	AS06 141	IG, WB
PetC   Rieske iron-sulfur protein of Cyt b6/f complex	AS08 330	WB
PetD   Cytochrome b6-f complex subunit 4	AS22 4711	WB



## Kinases

Product name	Product number	Applications
STN8   Serine/threonine-protein kinase STN8 (chloroplastic)	AS10 1601	WB
STT7   Serine/threonine-protein kinase STT7 (chloroplastic)	AS15 3080	WB

## LHC

Product name	Product number	Applications
Lhca1   PSI type I chlorophyll a/b-binding protein	AS01 005	WB
Lhcb1   LHCII type I chlorophyll a/b-binding protein	AS09 522	WB
Lhcb2   LHCII type II chlorophyll a/b-binding protein	AS01 003	IP, WB
Lhcb3   LHCII type III chlorophyll a/b-binding protein	AS01 002	WB
Lhcb4   CP29 chlorophyll a/b binding protein of plant PSII	AS04 045	WB
LHCSR1	AS14 2819	WB
LHCSR3	AS14 2766	ELISA, WB

## Light acclimation

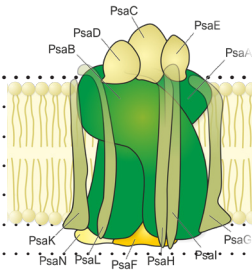
Product name	Product number	Applications
Lhcb1   LHCII type I chlorophyll a/b-binding protein	AS09 522	WB
Lhcb1   LHCII type I chlorophyll a/b-binding protein ( <i>Arabidopsis</i> specific)	AS09 522	WB
Lhcb2   LHCII type II chlorophyll a/b-binding protein	AS01 003	IP, WB

## Proteases

Product name	Product number	Applications
ClpC   Chloroplastic form of HSP100	AS01 001	IHC, IP, WB
Deg1   Chloroplastic DegP-type serine protease 1	AS07 246	WB
FtsH2 + FtsH8   ATP-dependent zinc metalloprotease FtsH2 + FtsH8 (chloropl.)	AS16 3929	WB
FtsH6   ATP-dependent zinc metalloprotease FtsH6 (chloroplastic)	AS05 094A	WB

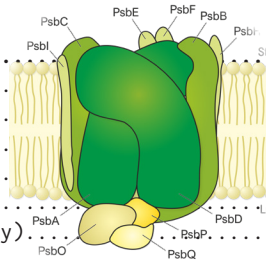
## PSI (Photosystem I)

Product name.....	Product number .....	Applications .....
PsaA   PSI-A core protein of photosystem I.....	AS06 172 .....	IG, WB .....
PsaB   PSI-B core subunit of photosystem I.....	AS10 695 .....	WB .....
PsaC   PSI-C core subunit of photosystem I .....	AS10 939 .....	WB .....
PsaD   PSI-D subunit of photosystem I.....	AS09 461 .....	IP, WB .....
PsaF   PSI-F subunit of photosystem I.....	AS06 104 .....	WB .....
PsaO   PSI-O subunit of photosystem I.....	AS04 050 .....	WB .....



## PSII (Photosystem II)

Product name.....	Product number .....	Applications .....
PsbA   D1 protein of PSII, C-terminal .....	AS05 084 .....	WB .....
PsbA   D1 protein of PSII, C-terminal.....	AS01 016 .....	WB .....
PsbB   CP47 protein of PSII.....	AS04 038 .....	WB .....
PsbC   CP43 protein of PSII.....	AS11 1787 .....	WB .....
PsbD   D2 protein of PSII.....	AS06 146 .....	WB .....
PsbS   22 kDa Lhc-like PSII protein (rabbit antibody).....	AS09 533 .....	WB .....



## RUBISCO/Carbon metabolism

Product name.....	Product number .....	Applications .....
PEPC   Phosphoenolpyruvate carboxylase.....	AS09 458 .....	IL, WB .....
RA   Rubisco activase.....	AS22 4868 .....	WB .....
Rbcl   Rubisco large subunit, form I .....	AS03 037 .....	IF, IG, TP, WB .....
Rbcl   Rubisco large subunit, form I (chicken).....	AS01 017 .....	IL, WB .....
Rbcl II   Rubisco large subunit, form II .....	AS15 2955 .....	WB .....
RbcS   Rubisco small subunit (SSU).....	AS07 259 .....	WB .....
RbcS   Rubisco small subunit (algal).....	AS22 4825 .....	WB .....

## Sucrose metabolism

Product name.....	Product number .....	Applications .....
cFBPase   Cytosolic fructose-1,6-bisphosphatase.....	AS04 043 .....	WB .....
SPS   Sucrose phosphate synthase (maize).....	AS06 185 .....	IL, WB .....
SPS   Sucrose phosphate synthase, global.....	AS03 035A .....	WB .....
UGPase   UDP-glucose pyrophosphorylase (cytoplasm marker, dicots).....	AS23 4916 .....	WB .....
UGPase   UDP-glucose pyrophosphorylase (cytoplasm marker, monocots).....	AS14 2813 .....	WB .....

## Photosynthetic posters and schemes

Agrisera offers hard copies of several educational posters related to photosynthesis, as well as images and schemes extracted from the posters for download (including the graphics found in this flyer), free of charge!

Request free posters, and access images here:  
[www.agrisera.com/en/educational-posters-2](http://www.agrisera.com/en/educational-posters-2)

