

# PGL35 | Plastoglobulin 35; FIB1a; FBN1a

Cat PA00440

Size 200 µl

## Host

Rabbit

## Clonality

Polyclonal

## Confirmed reactivity

Arabidopsis thaliana, Citrus reticulata, Gossypium hirsutum cv. Deltapine 90

## Immunogen

Recombinant Arabidopsis thaliana PGL35 protein O81439, At4g04020

## Host

Rabbit

## Clonality

Polyclonal

## Purity

Serum

## Format

Lyophilized

## Reconstitution

For reconstitution add 200 µl of sterile water

## Storage

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

## Application

Immunocytochemistry (ICC), Western blot (WB)

## Recommended dilution

1 : 20 (IC), 1 : 1000-1 : 3000 (WB)

## Expected | apparent MW

35 kDa

## Confirmed reactivity

Arabidopsis thaliana, Citrus reticulata, Gossypium hirsutum cv. Deltapine 90

## Predicted reactivity

Brassica napus, Brassica campestris, Capsicum annum, Hordeum vulgare

## Not reactive in

Chlamydomonas reinhardtii, Pheodactylum tricornutum, Pisum sativum

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## Additional information

Cellular [compartment marker] of chloroplast plastoglobules. For IC samples are embedded in Lowicryl HM20 and sectioned into 100-nm-thick sections and placed on Formvar-coated gold slot grids. The sections are blocked for 20 min with a 5% (w/v) solution of nonfat milk in TBS plus 0.1% Tween 20 (TBST). Anti-PGL antibodies are diluted 1:20 in a solution of 2.5% nonfat milk in TBST at room temperature for 1 h. The sections are rinsed in a stream of TBS plus 0.5% Tween 20 and then transferred to the secondary antibody (anti-rabbit IgG 1:20 in TBST) conjugated to 10-nm gold particles for 1 h. Images of localization can be found in Austin et al. (2006). AtPGL35 is highly similar to *Pisum sativum* PG1

## Description

Plastoglobulin is a lipoprotein particle found in chloroplasts. They are thought to have a lipid storage function. Recent data suggest that plastoglobulin can also be metabolically active, involved in tocopherol synthesis and possibly other pathways. Immunogen: alias AtPap1, fibrinogen 1, possibly plastid lipid-associated protein 1.

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