

PPO | Polyphenol oxidase

Cat PA00935

Size 100 µl

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Spinacia oleracea

Immunogen

recombinant lumenal polyphenol oxidase of Spinacia oleracea UniProt: P43310

Host

Rabbit

Clonality

Polyclonal

Purity

Serum

Format

Liquid

Storage

Store at short-term 4°C, Long-term -20°. Repeated freezing and thawing is not recommended. It contains 0,01% sodium azide.

Application

Western blot (WB)

Recommended dilution

1 : 1000 (WB)

Expected | apparent MW

64 kDa

Confirmed reactivity

Spinacia oleracea

Predicted reactivity

Spinacia oleracea

Not reactive in

Camelina sativa, Chlamydomonas reinhardtii, Nicotiana tabacum, Solanum lycopersicum, Sorghum bicolor

Additional information

Specifically reacts with a 64 kDa polyphenol oxidase from chloroplast thylakoid lumen

Description

Polyphenol oxidase is involved in plant response to injury and herbivore attack, mediated through the octadecane injury signaling pathway. Chloroplast polyphenol oxidase is a nuclear coding protein that targets the lumen of

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

PPO | Polyphenol oxidase

Cat PA00935

Size 100 μ l



thylakoids. It has been found that polyphenol oxidase is one of the most phosphorylated proteins in the thylakoid cavity, but the role of this protein modification is unclear. Alias: catechol oxidase.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY