

DISCONTINUED ZEP | Zeaxanthin Epoxidase

Cat PA01411

Size 50 μ l

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana

Immunogen

His-tagged recombinant ZEP of *Arabidopsis thaliana*, overexpressed in *E.coli*, UniProt: Q9FGC7, TAIR: AT5G67030

Host

Rabbit

Clonality

Polyclonal

Purity

Serum

Format

Lyophilized

Reconstitution

For reconstitution add 50 μ l 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

Western blot (WB)

Recommended dilution

1 : 2500 (WB)

Expected | apparent MW

73.8 | 67 kDa (*Arabidopsis thaliana*)

Confirmed reactivity

Arabidopsis thaliana

Predicted reactivity

Brachypodium distachyon, *Brassica campestris*, *Brassica napus*, *Brassica rapa*, *Camelina sativa*, *Capsella rubella*, *Eutrema salsugineum*, *Microthlaspi erraticum*, *Noccaea caerulea*, *Oryza sativa*, *Raphanus sativus*

Not reactive in

Diatoms, *Chlamydomonas reinhardtii*

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Additional information

This product can be sold containing ProClin if requested

Description

Zeaxanthin cycloperoxidase (ZEP) catalyzes O₂-/NAPDH₂-dependent zeaxanthin to violet xanthine through anthocyanins on the stroma side of thylakoid membrane of green plants. ZEP also plays a role in the first step of biosynthesis of abiotic stress hormone abscisic acid (ABA). Synonyms: Protein ABA deficiency 1, AtABA1, ABA-induced sterility protein damage 3, protein low expression of osmotic stress response gene 6, protein non-photochemical quenching 2.

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