Cu/ZnSOD | Cu/Zn superoxide dismutase

CD BioSciences
Plant Protein

Cat *PA00543*

Size *100 µl*

Host
Chicken

Clonality
Polyclonal

Confirmed reactivity
Arabidopsis thaliana (leaves), Lilium longiflorum, Olea europaea (pollen), Oryza sativa, Spinacia oleracea (leaves), Solanum lycopersicum, Zea mays

Immunogen
15 amino acids synthetic peptide designed from olive pollen cytosolic Cu/Zn cDNA consensus sequences (GenBank Accessions EU250757 to EU250797), UniProt Q8L5E0

Host
Chicken

Clonality
Polyclonal

Purity
Purified, total IgY in 10 mM Tris, 150 mM NaCl, 0.02% sodium azide.

Format
Liquid

Storage
Store at 4°C. 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 : 1500 with Alexa 488 (WB)

Expected | apparent MW
15.3 | 16 kDa (Olea europaea L.)

Confirmed reactivity
Arabidopsis thaliana (leaves), Lilium longiflorum, Olea europaea (pollen), Oryza sativa, Spinacia oleracea (leaves), Solanum lycopersicum, Zea mays

Predicted reactivity
Ananas ananas, Betula pendula, Camellia sinensis, Codonis lanceolata, Cucurbita ficifolia, Helianthus sp., Hordeum vulgare, Lycopersicum esculentum, Plantago major, Populus trichocarpa, Solanum nigrum, Solanum tuberosum, Solidago sp., Vitis vinifera

Not reactive in
Helianthus annuus , Nicotiana tabacum, Marchantia polymorpha, Musa acuminata, Vicia faba

Additional information

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

Cu/ZnSOD | Cu/Zn superoxide dismutase

CD BioSciences
Plant Protein

Cat *PA00543*

Size *100 µl*

Total IgY concentration is 2.3 mg/ml. Reaction of the antibody to chloroplastic SOD isoform has not been determined yet.,Note: Antibody recognizes two to three isoforms of Cu/Zn SOD in olive pollen depending on the olive cultivar

Description

The antioxidant system acts as a defense against oxidative stress. Superoxide dismutase (SOD) catalyzes the conversion of superoxide dismutase into oxygen and H202. sod is classified as FeSOD, MnSOD or Cu/ZnSOD according to its metal cofactors. Chloroplasts usually contain Cu/ZnSOD and in some plant species contain FeSOD

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/