

SAL1 | Sal1 phosphatase

Cat PA01557

Size 100 µl

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana, Glycine max , Lycopersicum esculentum, Nicotiana tabaccum, Populus tremula

Immunogen

Recombinant SAL1, full-length protein, 353 amino acids. The cDNA of SAL1 (At5g63980, protein Q42546) is cloned into pHUE expression vector and the protein has been produced and purified according to Baker et al 2005

Host

Rabbit

Clonality

Polyclonal

Purity

Serum

Format

Lyophilized

Reconstitution

For reconstitution add 100 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

Western blot (WB)

Recommended dilution

1 : 1000 (WB)

Expected | apparent MW

37.5 | 41 kDa (Arabidopsis thaliana)

Confirmed reactivity

Arabidopsis thaliana, Glycine max , Lycopersicum esculentum, Nicotiana tabaccum, Populus tremula

Predicted reactivity

Gossypium hirsutum, Oryza sativa

Not reactive in

Chlamydomonas reinhardtii

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Description

Plant SAL1(also known as FIERY1, FRY1, HIGH EXPRESSION OF OSMOTICALLY RESPONSIVE GENES 2, HOS2, MBM17.8, MBM17_8) is a 353 aa protein. Homologous to HAL2 and CysQ phosphatases of yeast and Escherichia coli, respectively. The SAL1 protein expressed in E. coli has both nucleotidase and inositol phosphatase activities. SAL1 is thought to be involved in both the sulfur assimilation pathway and the inosine phosphate signaling pathway.

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