

RPN10 | 26S proteasome regulatory subunit RPN10

Cat PA01228

Size 50 µl

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana

Immunogen

HIS-tagged RPN10 of Arabidopsis thaliana UniProt: P55034-1, TAIR: At4g38630 expressed in E. coli and purified by metal-chelate affinity chromatography

Host

Rabbit

Clonality

Polyclonal

Purity

Serum

Format

Lyophilized

Reconstitution

For reconstitution add 50 µl, of sterile water

Storage

Store lyophilized/reconstituted at -20°C (short term, months) or at -80°C (long term, years) ; 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 : 3000 (WB)

Expected | apparent MW

40,7 | 40 kDa

Confirmed reactivity

Arabidopsis thaliana

Predicted reactivity

Gossypium hirsutum, Noccaea caerulea, Theobroma cacao

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Description

RPN10 (26S proteasome regulatory subunit RPN10) plays a role in maintaining the structural integrity of 26S proteasome subcomplex 19S regulatory granules (RP) by directly or indirectly recognizing ubiquitin /26S proteasoma-mediated proteolysis (UPP) as a ubiquitination substrate. Bind and may select ubiquitin couplings for destruction. Plays a role in growth and development through proteasoma-dependent ABA-signaling protein ABI5/DPBF1 degradation, as well as balancing cell expansion and cell proliferation rates during stem development. Alternative names :26S proteasome non-ATPase regulatory subunit 4 homology, AtRPN10, 26S proteasome regulatory subunit S5A homology, polyubiquitin chain binding protein 1,AtMCB1, MBP1.

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