

This product is for research use only (not for diagnostic or therapeutic use)

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Product no AS07 246

Deg1 | chloroplastic DegP-type serine protease 1

Product information

Immunogen Recombinant Deg1 of Arabidopsis thaliana <u>022609</u>, <u>At3q27925</u>, overexpressed in *E.coli*

Host Rabbit

Clonality Polyclonal

Purity Total IgG. Protein G purified in PBS pH 7.4.

Format Lyophilized

Quantity 360 μg

Reconstitution For reconstitution add 200 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 information

Recommended dilution 1:500/5 ug thylakoid fraction (WB)

Expected | apparent

46.6 | 36 kDa

Predicted reactivity Ricinus communis

Species of your interest not listed? Contact us

Not reactive in No confirmed exceptions from predicted reactivity are currently known

Additional information Unspecific reaction at ca. 30 kDa and ca. 85 kDa (checked by by mas

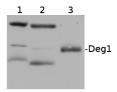
unspecific reaction at ca. 30 kDa and ca. 85 kDa (checked by by mass spec, and confirmed not to be neither Deg1 nor

any other protease, The band at the right MW does contain Deg1 by our MS analysis $\ensuremath{\mathsf{N}}$

Selected references Zienkiewicz et al. (2013). Light intensity and quality stimulated Deg1-dependent cleavage of PSII components in the

chloroplasts of maize. Plant Physiol. & Biochem. March 16.

Application example



(1) Pisum sativum thylakoid fraction, (2) Arabidopsis thaliana thylakoid fraction, (3) recombinant Deg1 expressed in E.coli. Primary antibody has been used at 1:500 dilution with chemiluminescent detection reagent.