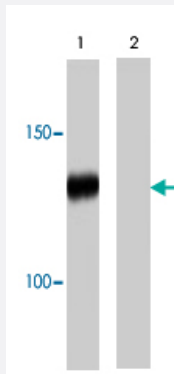


PHOT1 polyclonal antibody

Catalog # PAB8518

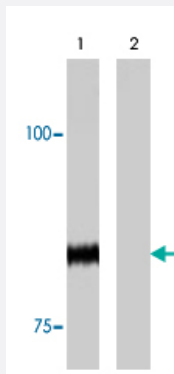
Size 25 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of extract from Arabidopsis leaves, using Phototropin 1 polyclonal antibody (Cat # PAB8518) . Lane 1: wild type and lane 2: deletion mutant for PHOT1/PHOT2 .



Western Blot (Recombinant protein)

Western blot analysis of GST-GFP fusion protein in E. coli. , using Phototropin 1 polyclonal antibody (Cat # PAB8518) . Lane 1: GST-GFP-PHOT1 N terminal and lane 2: GST-GFP-PHOT2 N terminal.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of phototropin 1.
Immunogen	A synthetic peptide corresponding to arabidopsis phototropin 1.
Host	Rabbit
Reactivity	Thale cress
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	Western Blot (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.1% proclin, 2.0% Block Ace)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of extract from Arabidopsis leaves, using Phototropin 1 polyclonal antibody (Cat # PAB8518) . Lane 1: wild type and lane 2: deletion mutant for PHOT1/PHOT2 .

- Western Blot (Recombinant protein)

Western blot analysis of GST-GFP fusion protein in E coli. , using Phototropin 1 polyclonal antibody (Cat # PAB8518) . Lane 1: GST-GFP-PHOT1 N terminal and lane 2: GST-GFP-PHOT2 N terminal.

Gene Info — PHOT1

Entrez GeneID	823721
Gene Name	PHOT1
Gene Alias	F16L2.3, JK224, NONPHOTOTROPIC HYPOCOTYL 1, NPH1, PHOTOTROPIN, ROOT PHOTOTROPISM 1, RPT1, phototropin 1
Gene Description	PHOT1 (phototropin 1); kinase
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [Chloroplast movement.](#)

Wada M, Kagawa T, Sato Y.

Annual Review of Plant Biology 2003 Jan; 54:455.

Application: IF, Plant, Plant

- [The phototropin family as photoreceptors for blue light-induced chloroplast relocation.](#)

Kagawa T.

Journal of Plant Research 2003 Feb; 116(1):77.

Application: WB, Plant, Plant cells

- [Chloroplast avoidance movement reduces photodamage in plants.](#)

Kasahara M, Kagawa T, Oikawa K, Suetsugu N, Miyao M, Wada M.

Nature 2002 Dec; 420(6917):829.

- [Blue light-induced chloroplast relocation.](#)

Kagawa T, Wada M.

Plant & Cell Physiology 2002 Apr; 43(4):367.

Application: IF, Plant, Plant cells

- [The phototropin family of photoreceptors.](#)

Briggs WR, Beck CF, Cashmore AR, Christie JM, Hughes J, Jarillo JA, Kagawa T, Kanegae H, Liscum E, Nagatani A, Okada K, Salomon M, Rüdiger W, Sakai T, Takano M, Wada M, Watson JC.

The Plant Cell 2001 May; 13(5):993.

Application: WB, Plant, Plant cells