



Rabbit anti-Arabidopsis thaliana LHP1 (N-term) Polyclonal Antibody (CABT-Z091R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana LHP1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
Molecular Weight	Predicted M.W.: 49 kDa; Observed M.W.: 90 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana LHP1 (At5g17690).
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN ₃ .
Preservative	0.01% NaN ₃

Storage	Store at -20°C. Stable for 6 months from date of receipt.
Ship	Wet ice

BACKGROUND

Introduction	LHP1 is a structural component of heterochromatin involved in gene repression, including several floral homeotic genes and FLT that regulates flowering time. LHP1 is required for maintenance of vernalization-induced repression of FLC. As part of the PRC1-like complex, LHP1 recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me) and 'Lys-27' (H3K27me), leading to epigenetic repression. PcG PRC1 complex maintains the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones, rendering chromatin heritably changed in its expressibility.
Keywords	Chromo domain-containing protein LHP1;LIKE HETEROCHROMATIN PROTEIN 1;Protein TERMINAL FLOWER 2;TFL2;TU8;At5g17690;MVA3.4;ATLHP1;FLT2

GENE INFORMATION

Gene Name	LHP1
Entrez Gene ID	831635
UniProt ID	Q946J8