



# Rabbit anti-Arabidopsis thaliana FLS2 (N-term) Polyclonal Antibody (CABT-Z076R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana FLS2.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
<b>Molecular Weight</b>	Predicted M.W.: 129 kDa; Observed M.W.: 175 kDa
<b>Preparation</b>	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana FLS2 (At5g46330).
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN <sub>3</sub> .
<b>Preservative</b>	0.01% NaN <sub>3</sub>

<b>Storage</b>	Store at -20°C. Stable for 6 months from date of receipt.
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<b>Ship</b>	Wet ice
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## BACKGROUND

<b>Introduction</b>	FLS2 constitutes the pattern-recognition receptor (PPR) that determines the specific perception of flagellin (flg22), a potent elicitor of the defense response to pathogen-associated molecular patterns (PAMPs). Flagellin-binding to the receptor is the first step to initiate the innate immune MAP kinase signaling cascade (MEKK1, MKK4/MKK5 and MPK3/MPK6), resulting in enhanced resistance against pathogens. FLS2 binding to the effector AvrPto1 or to the phosphatase hopD2 from <i>Pseudomonas syringae</i> blocks the downstream plant immune response.
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<b>Keywords</b>	LRR receptor-like serine/threonine-protein kinase FLS2;Protein FLAGELLIN-SENSING 2;At5g46330;MPL12.13;MPL12.8
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## GENE INFORMATION

<b>Gene Name</b>	FLS2
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<b>Entrez Gene ID</b>	<a href="#">834676</a>
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<b>UniProt ID</b>	<a href="#">Q9FL28</a>
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