



Rabbit anti-Arabidopsis thaliana RAD51 (N-term) Polyclonal Antibody (CABT-Z126R)

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

PRODUCT INFORMATION

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| Immunogen | Antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana RAD51. |
| 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 | 37 kDa |
| Preparation | Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana RAD51 (AT5G20850). |
| 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 |

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

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| Introduction | <p>RAD51 binds to single and double-stranded DNA and exhibits DNA-dependent ATPase activity. RAD51 is a component of the meiotic recombination pathway. RAD51 seems to play a role in mediating chromosome homology search, chromosome pairing and synapsis at early stages and probably chromosome crossing-over at later stages in meiosis. RAD51 is probably involved in the repair of meiotic double strand breaks (DBSs) generated by AtSPO11-1 and in homologous recombination. Its function is dispensable for vegetative growth and root mitosis.</p> |
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| Keywords | DNA repair protein RAD51 homolog 1;Rad51-like protein 1;AtRAD51;At5g20850;F22D1.20 |
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GENE INFORMATION

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| Gene Name | RAD51 |
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| Entrez Gene ID | 832208 |
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| UniProt ID | P94102 |
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