



# Rabbit anti-Arabidopsis thaliana eIF4E1 (Middle region) Polyclonal Antibody (CABT- Z060R)

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 middle region of arabidopsis thaliana eIF4E1.
<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.: 27 kDa; Observed M.W.: 32 kDa
<b>Preparation</b>	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of arabidopsis thaliana eIF4E1 (At4g18040).
<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.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Eukaryotic translation initiation factor 4E-1 (EIF4E1) is a component of the protein complex eIF4F, which is involved in the recognition of the mRNA cap, ATP-dependent unwinding of 5'-terminal secondary structure and recruitment of mRNA to the ribosome. EIF4E1 recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures.
<b>Keywords</b>	Eukaryotic translation initiation factor 4E-1;eIF-4E-1;eIF4E-1;Protein cucumovirus multiplication 1;eIF-4F 25 kDa subunit;eIF-4F p26 subunit;mRNA cap-binding protein;CUM1

## GENE INFORMATION

<b>Gene Name</b>	EIF4E1
<b>Entrez Gene ID</b>	<a href="#">827529</a>
<b>UniProt ID</b>	<a href="#">O23252</a>