

CAB18629

Product Information

Product SKU:	CAB18629	Gene ID:	107276358	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Oryza sativa

Additional Information

Observed MW:	90kDa	Conjugate:	Unconjugated
Calculated MW:	71kDa	Isotype:	IgG

Immunogen Information

Background: Transcription factor acting as a positive regulator in the ethylene response pathway). Required for the inhibition of root growth by ethylene in etiolated seedlings. Functions upstream of the auxin biosynthetic gene YUCCA8 and directly activates its expression . Functions downstream of the ethylene signaling factor EIN2 in disease resistance against the rice blast fungus (*Magnaporthe oryzae*). Binds directly to the promoters of the NADPH oxidases RBOHA and RBOHB, and the jasmonate biosynthetic gene OPR4 to activate their expression during fungal infection. May enhance disease resistance by facilitating reactive oxygen species (ROS) generation and jasmonate biosynthesis with subsequent phytoalexin accumulation during *Magnaporthe oryzae* infection. Acts as negative regulator of salt tolerance . During salt stress, activates the cation transporter HKT1, which mediates increased sodium uptake in roots, and contributes to sodium accumulation and salt toxicity. Binds directly to the DNA sequence 5'-TGTACAAATACC-3' in the promoter of the GA20OX2 gene to activate its expression at the transcriptional level during ethylene signaling. Possesses transactivation activity in protoplasts.

Recommended Dilution: WB:1:500 - 1:2000

Synonyms: EIL1; MHZ6; EIL1A; OsEIL1; OsEIL1a; OsJ_10672

Purification Method: Affinity purification

Immunogen: LSRGKDPAGGVVGDP SK-C

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.