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Datasheet for ABIN1720812 **anti-BAK1 antibody**

Overview

Quantity:	50 µg
Target:	BAK1
Reactivity:	Tomato, Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	KLH-conjugated peptide, chosen from Arabidopsis thaliana Bak1 sequence, TAIR: AT4G33430 UniProt: Q94F62
Specificity:	TAIR: At4g33430
No Cross-Reactivity:	Barley (Hordeum vulgare)
Cross-Reactivity (Details):	Not reactive in: Hordeum vulgare, Nicotiana benthamiana
Predicted Reactivity:	Thelungiella halophila - for other species, please inquire.
Purification:	serum

Target Details

Target:	BAK1
Alternative Name:	BAK1 (BAK1 Products)
Background:	BAK1 (Brassinosteroid insensitive 1-associated receptor kinase 1) controls expression of genes

Target Details

associated with innate immunity in the absence of pathogens or elicitors. Phosphorylated Brl1. Involved in programmed cell death (PCD). Subcellular localization: cell membrane. Alternative names: BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1, BAK1, BRI1-ASSOCIATED RECEPTOR KINASE, RKS10, RECEPTOR KINASES LIKE SERK 10, SERK3, SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE 3, ELG, ELONGATED, ATSERK3, SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE 3, ATBAK1.

Molecular Weight: expected: 68 kDa, apparent: 68 kDa

UniProt: [Q94F62](#)

Pathways: [Apoptosis](#), [Steroid Hormone Mediated Signaling Pathway](#), [ER-Nucleus Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Unfolded Protein Response](#)

Application Details

Application Notes: 1: 5000 with standard ECL (WB), 2 µL/50 µL of Protein G agarose

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: For reconstitution add 50 µL of sterile water.

Buffer: PBS pH 7.4

Handling Advice: Avoid repeated freeze-thaw cycles.
Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Storage: -20 °C

Storage Comment: store lyophilized/reconstituted at -20°C, once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.