

POLYCLONAL ANTIBODY

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Catalog No. KYU-TY-P02

Anti tomato SOS3/CBL4

BACKGROUND

SOS3/CBL4 is a plant homolog of calcineurin B-like molecule (CBL), which binds with calcium ions and regulates CBL-interacting protein Kinase (CIPK) involving ion transport in higher plants.

Product type	Primary antibody
Immunogen	Hisx6-tagged tomato SOS3/CBL4
Raised in	Rabbit
Myeloma	-
Clone number	-
Isotype	-
Source	Rabbit serum
Purification	-
Buffer	supplemented with 0.02% NaN ₃ as a preservative
Concentration	-
Volume	50 ul
Label	Unlabeled
Specificity	tomato SOS3/CBL4
Cross reactivity	Tomato, soybean, cowpea, higher plants
Storage	Store below -20C Aliquot to avoid cycles of freeze/thaw..
Other	DDBJ accession number, AB675686 (SISOS3)

Application notes • **Western blotting:** 1/1000 - 1/2,000 (Ref.1, Fig. 4)

Recommended dilutions • **Immunoprecipitation:** 2 - 5 ug/ 1mL extracts

Other applications have not been tested.

Optimal dilutions/concentrations should be determined by the end user.

References

- 1) *Yuasa, T., Y. Ishibashi and M. Iwaya-Inoue (2012) A flower specific calcineurin B-like molecule (CBL)-interacting protein kinase (CIPK) homolog in tomato cultivar Micro-Tom (Solanum lycopersicum L.), American Journal of Plant Sciences, 2012, 3, 753-763
- 2) Imamura, M., *T.Yuasa, T. Takahashi, N. Nakamura, Nang M.P.S.H., SH. Zheng, K. Shimazaki and M. Iwaya-Inoue (2008) Isolation and characterization of a cDNA coding cowpea (Vigna unguiculata (L.) Walp.) calcineurin B-like protein interacting protein kinase, VuCIPK1. Plant Biotechnol. 25:437-445.

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