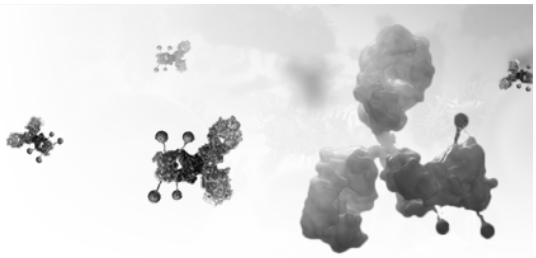

Rabbit anti-Arabidopsis thaliana TPK3 (N-term) Polyclonal Antibody (CABT-Z156R)

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

PRODUCT INFORMATION

Immunogen	Antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana TPK3.
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	49 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana TPK3 (At4g18160).
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% NaN3.
Preservative	0.01% NaN3

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

BACKGROUND

Introduction	TPK3 is a two-pore potassium channel modulating the proton motive force (pmf) necessary to convert photochemical energy into physiological functions. TPK3 mediates the potassium efflux from the thylakoid lumen required for the regulation of the transmembrane electrical portential, the enhancement of the pH gradient for ATP synthesis, the regulation of electron flow, and pH-mediated photoprotective responses. TPK3 requires calcium for channel activity.
Keywords	Two-pore potassium channel 3;AtTPK3;Calcium-activated outward-rectifying potassium channel 6;AtKCO6;KCO6;At4g18160;F15J5.130

GENE INFORMATION

Gene Name	TPK3
Entrez Gene ID	827541
UniProt ID	Q9SVV6

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