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Datasheet for ABIN1720824

anti-14-3-3 GRF antibody



Overview

Quantity:	50 μL
Target:	14-3-3 GRF
Reactivity:	Arabidopsis thaliana, Lilium longiflorum (Trumpet lily), Mesembryanthemum crystallinum
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

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Product Details	
Immunogen:	conserved surface-exposed peptide conjugated to KLH. This sequence is repeated in all 12 -
	canonical- members of the Arabidopsis thaliana GRF/14-3-3 family. GRF1 GF14 chi UniProt:
	F4JJ94, TAIR: AT4G09000,GRF2 GF14 omega, UniProt:Q01525, TAIR:AT1G78300, GRF3 GF14
	psi UniProt: F4KBI7, TAIR:AT5G38480,GRF4 GF14 phi UniProt:F4HWQ5, TAIR:
	AT1G35160,GRF5 GF14 upsilon UniProt: P42645, TAIR:AT5G16050,GRF6 GF14 lambda
	UniProt: P48349#P48349-2, TAIR:AT5G10450,GRF7 GF14 nu UniProt:Q96300,
	TAIR:AT3G02520,GRF8 GF14 kappa UniProt:F4KHY7, TAIR:AT5G65430,GRF9 GF14 mu
	UniProt: F4IP55, TAIR:AT2G42590, GRF10 GF14 epsilon UniProt: F4I1C1, TAIR:AT1G22300,
	GRF11 GF14 omicron UniProt: Q9S9Z8, TAIR: AT1G34760, GRF12 GF14 iota UniProt:Q9C5W6
	TAIR: AT1G26480.
Specificity:	TAIR: At4g09000, At4g78300, At4g38480, At4g35160, At4g16050, At4g10450, At4g02520,
	At4g65430, At4g42590, At4g22300, At4g34760
Cross-Reactivity (Details):	Not reactive in: This antibody does not bind to 14-3-3-like protein D of Nicotiana tabacum.

Product Details	
Predicted Reactivity:	Triticum aestivum, Zea mays, Oryza sativa, Pisum sativum, Nicotiana tabacum, Solanum tuberosum, Gossypium hirsutum, Brassica sp., Physcomitrella patens, Chlamydomonas reinhardtii
Characteristics:	Expected / apparent Molecular Weight of the Antigene: 28-20 kDa (depending upon an isoform)
Purification:	serum
Target Details	
Target:	14-3-3 GRF
Background:	GRF (General regulatory factor 2) or 14.3.3's are 30KDa proteins involved in protein interactions with target proteins containing phosphorylated target sites. Functions of 14.3.3's include acting as adaptors or scaffolds, stimulating protein-protein interaction, altering target protein activity, causing conformational changes of target proteins, regulating subcellular localisation and also facilitating transport (for example nuclear import/export and transport in the endomembrane system). A variety of apparently unrelated biological activities, including a role in development and signal transduction - brassinosteroid mediated signaling pathway.
UniProt:	F4JJ94, Q01525, F4KBI7, F4HWQ5, P42645, Q96300, F4KHY7, F4IP55, F4I1C1, Q9S9Z8, Q9C5W6
Application Details	
Application Notes:	1: 2000 (WB)
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	For reconstitution please add 50 µL of sterile water

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.