Datasheet for ABIN249369

anti-Heat-Shock Protein 101 (HSP101) (N-Term) antibody

1 Image

Go to Product page

Overview

Quantity:	200 µL
Target:	Heat-Shock Protein 101 (HSP101)
Binding Specificity:	N-Term
Reactivity:	Arabidopsis thaliana
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	recombinant Arabidopsis thaliana Hsp101/ClpB, N-terminal 145 amino acids P42730, At1g74310
Isotype:	IgY
Cross-Reactivity (Details):	Not reactive in: no confirmed exceptions from predicted reactivity known in the moment
Predicted Reactivity:	dicots including: Glycine max, Nicotiana tabacum, Vitis vinifera
Characteristics:	Expected / apparent Molecular Weight of the Antigene: 101 kDa
Purification:	affinity purified

Target Details

Target:	Heat-Shock Protein 101 (HSP101)

Target Details

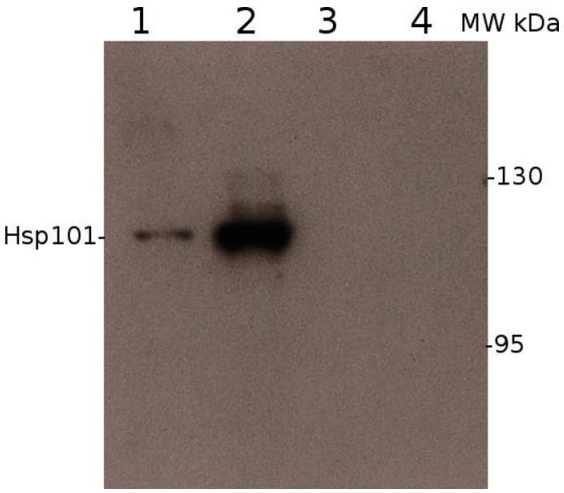
Alternative Name:	HSP101
Background:	AGI Code: At1g74310 Hsp101/ClpB is a member of HSP100 protein family. These proteins help protein aggregates formed during heat stress to fall apart to allow them to be refolded by other chaperones. In spite of expression during heat stress members of HSP100 protein family are also expressed during seed development.
Molecular Weight:	101 kDa
UniProt:	P42730

Application Details

Application Notes:	1: 1000 with standard ECL (WB)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS pH 8.0+ 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes. Make aliquots to avoid repreated freeze-thaw cycles and working with a stock.
Storage:	4 °C
Storage Comment:	store at 4°C, make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.



Western Blotting

Image 1. From left to right: Arabidopsis thaliana WT grown at 22°C f (1), Arabidopsis thaliana WT stressed at 38°C/1.5h followed by a transfer to 22°C/2h (2), Arabidopsis thaliana Hsp101 null mutant grown at 22°C f (3), Arabidopsis Arabidopsis thaliana Hsp101 null mutant stressed at 38°C/1.5h followed by a transfer to 22°C/2h (4), 2 ug of a total protein loaded per well