

ARG67171 anti-HSP25.3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HSP25.3
Tested Reactivity	Arabi
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HSP25.3
Species	Plant
Immunogen	Synthetic peptide corresponding to center region of arabidopsis thaliana HSP25.3 protein.
Conjugation	Un-conjugated
Alternate Names	Heat shock protein 21; chloroplastic; 25.3 kDa heat shock protein chloroplastic; AtHsp25.3; HSP25.3

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	25 kDa	

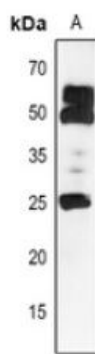
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HSP25.3
Gene Full Name	heat shock protein 21
Background	Encodes Hsp21, a chloroplast located small heat shock protein. A structure model of Hsp21, obtained by homology modeling, single-particle electron microscopy, and lysine-specific chemical crosslinking, shows that the Hsp21 subunits are arranged in two hexameric discs, rotated by 25 degree in relation to each other.
Function	Chaperone protein required for seedling and chloroplast development under heat stress, probably by maintaining plastid-encoded RNA polymerase (PEP)-dependent transcription. [UniProt]
Calculated Mw	25 kDa
Cellular Localization	Plastid, chloroplast stroma, chloroplast nucleoid. [UniProt]

Images



ARG67171 anti-HSP25.3 antibody WB image

Western blot: *Arabidopsis thaliana* stained with ARG67171 anti-HSP25.3 antibody.