

# Anti-HSP25.3 Antibody

Catalog # AP54166

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P31170</a> |
| Reactivity        | Arabidopsis thaliana   |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 25344                  |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 828881                                                                                                                                                |
| Other Names        | Heat shock protein 21; chloroplastic; 25.3 kDa heat shock protein chloroplastic; AtHsp25.3; HSP25.3                                                   |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the center region of arabidopsis thaliana HSP25.3. The exact sequence is proprietary. |
| Dilution           | WB~~1/500 - 1/2000                                                                                                                                    |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                             |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                             |

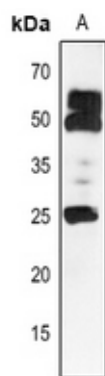
## Protein Information

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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | HSP21 {ECO:0000303 PubMed:2038305}                                                                                                                                           |
| Synonyms          | HSP25.3                                                                                                                                                                      |
| Function          | Chaperone protein required for seedling and chloroplast development under heat stress, probably by maintaining plastid-encoded RNA polymerase (PEP)-dependent transcription. |
| Cellular Location | Plastid, chloroplast stroma, chloroplast nucleoid                                                                                                                            |
| Tissue Location   | Confined to pollen grains of budding flowers.                                                                                                                                |

## Images

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Western blot analysis of HSP25.3 expression in Arabidopsis thaliana (A) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.