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## Product Datasheet

### Anti-STN8 | Serine/threonine-protein kinase STN8 (chloroplastic), Rabbit, Polyclonal AGR-AS10-1601

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Anti-STN8   Serine/threonine-protein kinase STN8 (chloroplastic), Rabbit, Polyclonal                                                                                                                                                                          |
| Biozol Catalog Number      | AGR-AS10-1601                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | AS10-1601                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | AGR-AS10-1601                                                                                                                                                                                                                                                 |
| Manufacturer               | Agrisera                                                                                                                                                                                                                                                      |
| Host                       | Rabbit                                                                                                                                                                                                                                                        |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | WB                                                                                                                                                                                                                                                            |
| Species Reactivity         | A. thaliana, Plant                                                                                                                                                                                                                                            |
| Immunogen                  | KLH-conjugated synthetic peptide (amino acids 425-438) specific for Arabidopsis thaliana STN8 serine/threonine proteinkinase, UniProt: Q9LZV4 TAIR:At5g01920                                                                                                  |
| Product Description        | Serine/threonine protein kinase (EC=2.7.11.1), known as STN8 in Arabidopsis, and its Stl1 homologue in Chlamydomonas, are STN7/Stt7-like proteins that are not required for state transitions. The Arabidopsis mutants deficient in stn8 gene demonstrated... |
| Clonality                  | Polyclonal                                                                                                                                                                                                                                                    |
| Molecular Weight           | 54.9 kDa or 46 kDa on 6 M urea gel                                                                                                                                                                                                                            |
| NCBI                       | <a href="#">831741</a>                                                                                                                                                                                                                                        |

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| UniProt            | <a href="#">Q9LZV4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity             | Immunogen affinity purified serum in PBS pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form               | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Antibody Type      | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Application Dilute | 1 : 2000 (WB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Application Notes  | <p>For best results with this antibody sample buffer needs to contain 6 M urea (138mM TrisHCl pH 6.8, 6M urea, 22.2% Glycerol, 4.3% SDS).STN8 is a nuclear encoded protein which is localized in chloroplast, hence posses a chloroplastic target peptides (cTP) at the beginning of the amino acid sequence which is cut off. Accroding to TargetP (program that predicts the length of the cTP:s) the length of cTP for Stn8 is 49 amino acids. STN8 portein mobility can be also affected by urea present in the gel.Due to a high background signal with LHCIi it is adviced to cut off a membrane below 30 kDa marker.</p> |