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## Product Datasheet

### Anti-VDE | Violaxanthin de-epoxidase, Rabbit, Polyclonal AGR-AS15-3091

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Anti-VDE   Violaxanthin de-epoxidase, Rabbit, Polyclonal                                                                                                                                                                                                      |
| Biozol Catalog Number      | AGR-AS15-3091                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | AS15-3091                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | AGR-AS15-3091                                                                                                                                                                                                                                                 |
| Manufacturer               | Agrisera                                                                                                                                                                                                                                                      |
| Host                       | Rabbit                                                                                                                                                                                                                                                        |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | WB                                                                                                                                                                                                                                                            |
| Species Reactivity         | A. thaliana, Plant                                                                                                                                                                                                                                            |
| Immunogen                  | His-tagged, recombinant VDE from Arabidopsis thaliana, overexpressed in E.coli, Uniprot:Q39249 , TAIR: AT1G08550                                                                                                                                              |
| Product Description        | VDE (violaxanthin de-epoxidase) is a part of the xanthophyll (or violaxanthin) cycle for controlling the concentration of zeaxanthin in chloroplasts. This enzyme is catalyzing the two-step mono de-epoxidation reaction. Zeaxanthin induces the dissipat... |
| Clonality                  | Polyclonal                                                                                                                                                                                                                                                    |
| Molecular Weight           | Propeptide 52 kDa, mature protein: 39.7 kDa, migrates at 40 kDa (Arabidopsis thaliana)                                                                                                                                                                        |
| NCBI                       | <a href="#">837377</a>                                                                                                                                                                                                                                        |
| UniProt                    | <a href="#">Q39249</a>                                                                                                                                                                                                                                        |

|                    |                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity             | Serum                                                                                                                                                  |
| Form               | Lyophilized                                                                                                                                            |
| Antibody Type      | Polyclonal Antibody                                                                                                                                    |
| Application Dilute | 1 : 2000 (WB)                                                                                                                                          |
| Application Notes  | Extraction buffer must contain 7 M urea for Brachypodium distachyon and Oryza sativa samples.This product can be sold containing ProClin if requested. |