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## Product Datasheet

### Anti-FtsH1-11 | ATP-dependent zinc metalloprotease FtsH1-11, Rabbit, Polyclonal AGR-AS11-1789

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| Article Name               | Anti-FtsH1-11   ATP-dependent zinc metalloprotease FtsH1-11, Rabbit, Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Biozol Catalog Number      | AGR-AS11-1789                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Supplier Catalog Number    | AS11-1789                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Alternative Catalog Number | AGR-AS11-1789                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Manufacturer               | Agrisera                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Host                       | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Category                   | Antikörper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Application                | BN-PAGE, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Species Reactivity         | A. thaliana, Plant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen                  | KLH-conjugated peptide derived from sequences of all known FtsH isoforms of Arabidopsis thaliana: FtsH1 Q39102 (At1g50250), FtsH2 O80860 (At2g30950), FtsH3 Q84WU8 (At2g29080), FtsH4 O80983 (At2g26140), FtsH5 Q9FH02 (At5g42270), FtsH6 Q1PDW5 (At5g15250), FtsH7 Q9SD67 (At3g47060), FtsH8 Q8W585 (At1g06430), FtsH9 Q9FIM2 (At5g58870), FtsH10 Q8VZI8 (At1g07510), FtsH11 Q9FGM0 (At5g53170) as well as 4 FtsH isoforms of Synechocystis sp. PCC6803NP_440330.1, NP_442160.1, NP_440797.1, NP_440525.1 |
| Product Description        | FtsH belong to a family of ATP dependent peptidases. Localized in a chloroplast are following isoforms: FTSH1 (synonymes AAA, FTSH, FTSH Protease 1), Ftsh2 (VAR2, VARIEGATED 2), FtsH5 (VAR1, VARIEGATED 1), FtsH6 (FTSH PROTEASE 6), FtsH7, FtsH8. FtsH9...                                                                                                                                                                                                                                              |

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| Clonality          | Polyclonal                                                                                                                                                                                                                                                                                                                                                                             |
| Molecular Weight   | A. thaliana: FtsH1:76.7, FtsH2: 74, FtsH5: 75.2, FtsH6: 74.5, FtsH7: 87.8, FtsH8: 73, FtsH9:87.8 kDa (chloroplastic), FtsH3: 89.3, FtsH4: 77.2, FtsH10: 89.5 kDa, FtsH11:88.7 kDa (mitochondrial)                                                                                                                                                                                      |
| NCBI               | <a href="#">841447</a>                                                                                                                                                                                                                                                                                                                                                                 |
| UniProt            | <a href="#">Q84WU8</a>                                                                                                                                                                                                                                                                                                                                                                 |
| Purity             | Serum                                                                                                                                                                                                                                                                                                                                                                                  |
| Form               | Lyophilized                                                                                                                                                                                                                                                                                                                                                                            |
| Antibody Type      | Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                    |
| Application Dilute | 1 : 500-1 : 2000 (WB)                                                                                                                                                                                                                                                                                                                                                                  |
| Application Notes  | For detection on a diatom samples, load of 5-10 µg/well is required as well as usage of enhanced chemiluminescence. The antibody also detects the chloroplast-encoded FtsH from <i>Thalassiosira pseudonana</i> (diatom) along with 3 related isoforms encoded in the nuclear genome of <i>Thalassiosira pseudonana</i> . For detection in BlueNative, recommended dilution is 1: 500. |