

Product no **AS03 035-DL488****SPS | Sucrose phosphate synthase, global, DyLight® 488 conjugated (40 µg)****Product information**

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| Immunogen | KLH-conjugated synthetic peptide derived from conserved region within plant SPS protein sequences, including <i>Arabidopsis thaliana</i> isoforms 1F Q94BT0 , 2F, 3F and 4F. <i>Oryza sativa</i> Q67WN8 , <i>Solanum tuberosum</i> Q43845 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Purity | Immunogen affinity purified serum, in PBS pH 7.4, conjugated to DyLight® 488. |
| Format | Liquid |
| Quantity | 40 µg |
| Storage | Store at 4°C for 12-18 months. A preservative may be added for long time storage, up to 2 years. Shortly spin the tube before use. |
| Additional information | DyLight® 488 has Amax = 493 nm, Emax = 518 nm. DyLight® is a registered trademark of ThermoFisher Inc., and its subsidiaries. |

Application information

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| Recommended dilution | To be determined by end user |
| Expected apparent MW | 120 120-130 kDa (fragments of 30/90 kDa may be detected) |
| Confirmed reactivity | <i>Arabidopsis thaliana</i> , <i>Colobanthus quitensis</i> Kunt Bartl, <i>Hordeum vulgare</i> , <i>Lycopersicum esculentum</i> , <i>Lycopersicum penelli</i> , <i>Solanum tuberosum</i> , <i>Triticum aestivum</i> , <i>Pinus strobus</i> , <i>Zea mays</i> |
| Predicted reactivity | <i>Brassica napus</i> , <i>Citrus sinensis</i> , <i>Glycine max</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Physcomitrella patens</i> , <i>Populus balsamifera</i> , <i>Robinia pseudoacaci</i> , <i>Ricinus communis</i> , <i>Saccharum officinarum</i> , <i>Solanum lycopersicum</i> , <i>Theobroma cacao</i> , <i>Vicia faba</i> , <i>Vitis vinifera</i> |
| | Species of your interest not listed? Contact us |
| Not reactive in | No confirmed exceptions from predicted reactivity are currently known. |
| Additional information | Peptide used to elicit anti-SPS antibodies is perfectly conserved in all isoforms of SPS in plants. |
| Selected references | To be added when available, antibody released in May 2023. |