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**Product no AS99 001**

# Anti-KLH | Keyhole limpet hemocyanin

## Product information

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| **Immunogen** | Purified keyhole limpet hemocyanin (KLH), whole molecule, |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Purity** | Immunogen affinity purified serum in PBS pH 7.4. |
| **Format** | Lyophilized |
| **Quantity** | 50 µg |
| **Reconstitution** | For reconstitution add 50 µl of sterile water |
| **Storage** | Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube. |
| **Additional information** | Protein present in plant vascular tissue (xylem and vascular cambium) is detected by anti-KLH antibodies (Höglund et al. 2002) which might lead to false results in IL when using anti-peptide antibodies generated to KLH-conjugated peptide. |

## Application information

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| **Recommended dilution** | 1: 10 000 (ELISA), 1: 10 000 (WB), 1: 1000 (IL) |
| **Expected \| apparent MW** | ca. 400 kDa/subunit |
| **Confirmed reactivity** | *Megathura crenulata* - most commonly used carrier protein |
| **Not reactive in** | No confirmed exceptions from predicted reactivity are currently known |
| **Additional information** | Antibody can be used as a negative control to determine if observed signal is generated by anti-KLH or anti-peptide antibodies, Due to its large size KLH protein will be very difficult to separate on SDS-PAGE |
| **Selected references** | Geadkaew et al. (2014). Bi-functionality of Opisthorchis viverrini aquaporins. doi:10.1016/j.biochi.2014.11.013. Höglund et al. (2002). An Antigen Expressed During Plant Vascular Development Crossreacts with Antibodies Towards KLH (Keyhole Limpet Hemocyanin). J of Histochem & Cytochem. 50:999-1003. |