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**Product no** AS09 462

# AKINB2 | SNF1-related protein kinase regulatory subunit beta-2

## Product information

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|---|---|
| **Immunogen** | KLH-conjugated peptide derived from *Arabidopsis thaliana* AKIN beta-2 Q9SCY5 |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Purity** | Immunogen affinity purified serum in PBS pH 7.4. |
| **Format** | Lyophilized |
| **Quantity** | 200 µg |
| **Reconstitution** | For reconstitution add 200 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. |

## Application information

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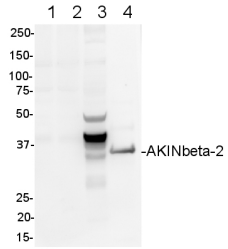
| **Recommended dilution** | 2 µg/ml |
| **Expected \| apparent MW** | 31,9 \| 35 kDa |
| **Confirmed reactivity** | *Arabidopsis thaliana* |
| **Predicted reactivity** | *Arabidopsis thaliana* |
| **Not reactive in** | No confirmed exceptions from predicted reactivity are currently known |
| **Selected references** | Emanuelle et al. (2015). SnRK1 from Arabidopsis thaliana is an atypical AMPK. Plant J. 2015 Mar 3. doi: 10.1111/tpj.12813. |

## Application example




25 µg of empty vector **(1)**, pCDNA 3.1 – HA- tagged AKIN-beta1 **(2)**, pCDNA 3.1 – HA- tagged AKIN-beta2 **(3)**, 50 µg of total protein from *Arabidopsis thaliana* leaves **(4)** had been homogenized into 50 mM NaPO4 pH 7.5, 20 mM KCl, 0.5 M sucrose, 0.2 mM PMSF, 10 mM DTT and protease inhibitor cocktail (Sigma, P9599). Extracts were separared on 10%NuPage Bis-Tris Novex SDS PAGE (Invitrogen) gels followed by a transfer for 60 min to PVDF membrane. Filters were blocked for 1h with 5% low-fat milk powder in PBS-T (0.1% TWEEN 20) and probed with anti-AKINbeta-2 antibodies (2 µg/ml for 60 min at RT) followed by Protein G-HRP (1:3 000 for 60 min at RT) in PBS-T. Antibody incubations were followed by washings in PBS-T (3 x 5 min). All washing steps were performed at RT with agitation. Signal was detected with chemiluminescence, using CCD camera. Exposure time was 10 seconds.

Courtesy Dr. David Stapleton, Melbourne, Australia