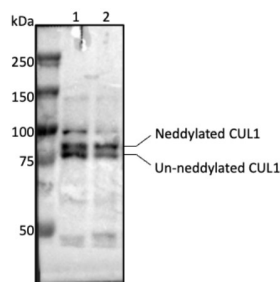


Product no **AS23 4927****Anti-CUL1 | Cullin-1****Product information**

|                       |                                                                                                                                                                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>      | KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> CUL1 protein sequence, UniProt: <a href="#">Q94AH6</a> , TAIR: <a href="#">AT4G02570</a>                                                                                                                                 |
| <b>Host</b>           | Rabbit                                                                                                                                                                                                                                                                                   |
| <b>Clonality</b>      | Polyclonal                                                                                                                                                                                                                                                                               |
| <b>Purity</b>         | Antigen affinity purified serum, in PBS pH 7.4                                                                                                                                                                                                                                           |
| <b>Format</b>         | Lyophilized                                                                                                                                                                                                                                                                              |
| <b>Quantity</b>       | 50 µg                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution</b> | For reconstitution, add 50 µl, of sterile or deionized water.                                                                                                                                                                                                                            |
| <b>Storage</b>        | Store lyophilized/reconstituted at -20 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes. |

**Application information**

|                               |                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended dilution</b>   | 1 : 5000 (WB)                                                                                                                                                         |
| <b>Expected   apparent MW</b> | 86.3 kDa                                                                                                                                                              |
| <b>Confirmed reactivity</b>   | <i>Arabidopsis thaliana</i>                                                                                                                                           |
| <b>Predicted reactivity</b>   | <i>Brassica napus</i> , <i>Camelina sativa</i> , <i>Capsella rubella</i> , <i>Raphanus sativus</i><br>Species of your interest not listed? <a href="#">Contact us</a> |
| <b>Not reactive in</b>        | No confirmed exceptions from predicted reactivity are currently known                                                                                                 |
| <b>Selected references</b>    | To be added when available, antibody available in September 2024.                                                                                                     |



Total proteins were extracted from the fully-expanded leaves of 3-week-old *Arabidopsis thaliana* ecotype Col-0 and ipk1-1 (T-DNA mutant SALK\_065337) plants using a 6 M Urea solution. About 20 µg of each extract was denatured by boiling in 1X Laemmli buffer at 98 °C for 10 mins. Samples were resolved on 7.5% SDS-PAGE gel and blotted for 1.5 hr on PVDF membrane using wet transfer at 4 °C. The membrane was blocked with 5% skimmed milk for 1 hr at room temperature with mild rocking. The membrane was then incubated in the primary antibody at a dilution of 1:5000 in TBS-T at 4 °C overnight with mild rocking. The antibody solution was discarded, and the membrane was washed 3 times for 10 mins each in TBS-T at room temperature with mild rocking. The membrane was then incubated in matching secondary antibody (anti-rabbit IgG HRP-conjugated) diluted to 1:10 000 in TBS-T for 1 hr at room temperature with mild rocking. The blot was washed as earlier and developed with the chemiluminescent detection reagent. Exposure time was adjusted to 4 sec.

Courtesy of Dr.Saikat Bhattacharjee, Regional Center For Biotechnology, Haryana, India