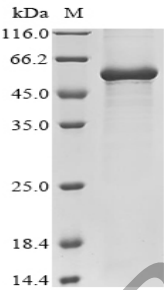
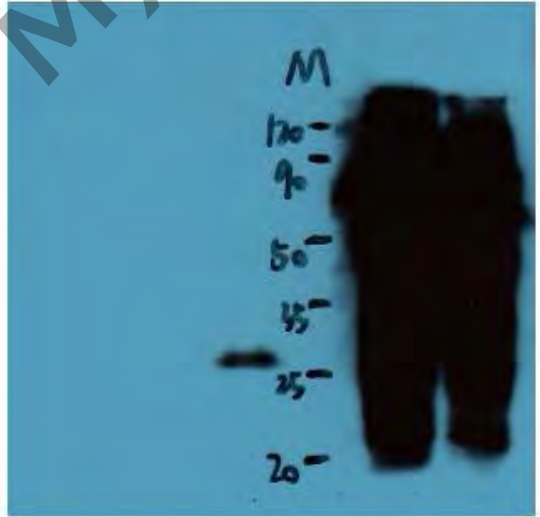


## Western blot analysis

|                            |   |   |
|----------------------------|---|---|
| <b>Product Name</b>        | Recombinant Human Protein cereblon (CRBN)   |   |
| <b>Catalog Number</b>      | <b>MBS1441437</b>   |   |
| <b>Expression host</b>     | <i>Baculovirus</i>  |   |
| <b>Product Info</b>        | C-terminal 9xHis-tagged   |   |
| <b>Storage Buffer</b>      | Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.                   |   |
| <b>Batch Number</b>        | DD04643b1g0   |   |
| <b>Nature</b>              | Human CRBN-(AA 1-442)- <b>Q96SW2</b> - Full Length                                  |   |
| <b>Purification</b>        | Affinity purified using IMAC  |   |
| <b>Recommended Storage</b> | Short term  | 2 to 8 °C, one week from the date of receipt  |
|                            | Long term   | -20 to -80 °C, twelve months from the date of receipt   |
| <b>Form</b>                | Lyophilized powder  |   |
| <b>Test Items</b>          | <b>Specifications</b>   | <b>Results</b>  |
| <b>SDS-PAGE</b>            |   | ≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.   |
| <b>Western blot</b>        |  | <p><b>lane</b></p> <p>Lane1:MBS1441437, loading:800ng</p> <p>Lane2: MBS1441437, loading:400ng</p> <p>Lane3: His fusion protein (positive control, loading:100ng)</p> <p>Lane4: Marker(20、26、34、50、90、120kDa)</p> <p>Lane5: MBS1441437, loading:800ng</p> <p>Lane6: MBS1441437, loading:400ng</p> <p><b>Antibodies</b></p> <p>Lane1-3: MBS1491670, Dilution:1:2000</p> <p>Lane5-6: MBS7044878, Dilution:1:2000</p> |

|                      |   |
|----------------------|---|
| <b>Positive size</b> | MBS1441437: 52.5 kDa<br><br>Observed band size: 55 kDa (Because the band is too dense, bands appear at 20-120 kDa.) |
|----------------------|---|

|                                   |   |
|-----------------------------------|---|
| <b>Electrophoretic parameters</b> | (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 12% separation gel.  |
| <b>Conclusion</b>                 | The specific antibody (MBS7044878) can be recognized, but the background is high due to the high protein loading amount, and the band pattern is very deep so that bands can be observed at 20-120 kDa. It was originally planned to reduce the loading amount and re-test with WB. However, there is no inventory of specific antibodies (sold out, and the newly prepared ones have not yet come out), so there is no arrangement and it can only be roughly qualitatively identified. The unrecognized His-tagged monoclonal antibody (MBS1491670) may be caused by insufficient exposure of the tag position. |
|                                   |   |
| <b>Date</b>                       | 2020.10.23  |