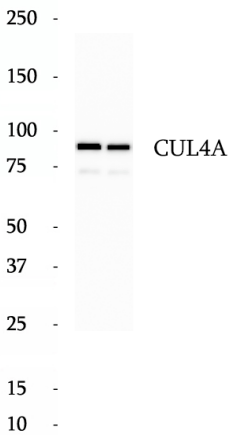


## Certificate of Analysis

|                |                     |
|----------------|---------------------|
| Catalog Number | BP61159             |
| Product Name   | Anti-CUL4A antibody |

## Physical and Chemical Properties

|  |   |
|--|---|
| Molecular Weight                         | 88 kDa  |
| GenBank                                  | BC008308  |
| Uniprot                                  | Q13619  |
| Concentration                            | 290 µg/ml   |
| Form                                     | Liquid  |
| Storage Instruction                      | 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol.<br>Store at -20°C. Do Not Aliquot.  |
| Chemical Structure<br>OR<br>Tested Image |  <p>250 -<br/>150 -<br/>100 -<br/>75 -<br/>50 -<br/>37 -<br/>25 -<br/>15 -<br/>10 -</p> <p>CUL4A</p> |

## Product Information

|                      |  |
|----------------------|--|
| Description          | <p>Cullin proteins assemble a large number of RING E3 ubiquitin ligases, participating in the proteolysis through the ubiquitin-proteasome pathway. Two cullin 4 (CUL4) proteins, CUL4A (87 kDa) and CUL4B (104 kDa), have been identified. The two CUL4 sequences are 83% identical. They target certain proteins for degradation by binding protein DDB1 to form a CUL4-DDB1 ubiquitin ligase complex with DDB. They form two individual E3 ligases, DDB1-CUL4ADDB2 and DDB1-CUL4BDDB2 in this process. CUL4A appeared in both the nucleus and the cytosol, suggesting a more complex mechanism for entering the nucleus. CUL4B is localized in the nucleus and facilitates the transfer of DDB1 into the nucleus independently of DDB2.</p> |
| Tested Applications  | WB: 1:1000; IF: 1:100-1:300; IHC:1:50-1:200  |
| Species Reactivity   | Human, Mouse, Rat  |
| Host Species/Isotype | Rabbit/IgG   |

## Analytical Data

|                   |  |
|-------------------|--|
| Quality Assurance | <p>The biological and chemical parameters such as concentration, purity, application and specificity of the tested antibody comply with the above-mentioned criteria of the product.</p> |
|-------------------|--|

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