

# Anti-CEND1 Rabbit Monoclonal Antibody

Catalog # ABO15604

## Product Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                                             |
| <b>Primary Accession</b> | <a href="#">Q8N111</a>                                                                                                           |
| <b>Host</b>              | Rabbit                                                                                                                           |
| <b>Isotype</b>           | IgG                                                                                                                              |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                |
| <b>Clonality</b>         | Monoclonal                                                                                                                       |
| <b>Format</b>            | Liquid                                                                                                                           |
| <b>Description</b>       | Anti-CEND1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 51286                                                                                                                                      |
| <b>Other Names</b>                     | Cell cycle exit and neuronal differentiation protein 1, BM88 antigen, CEND1, BM88                                                          |
| <b>Calculated MW</b>                   | 14954                                                                                                                                      |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50                                                                          |
| <b>Source</b>                          | Eukaryota                                                                                                                                  |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: 21C80<br>A synthesized peptide derived from human CEND1                                                                             |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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|                 |       |
|-----------------|-------|
| <b>Name</b>     | CEND1 |
| <b>Synonyms</b> | BM88  |

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|--------------------------|------------------------------------------------|
| <b>Function</b>          | Involved in neuronal differentiation.          |
| <b>Cellular Location</b> | Membrane; Single-pass type IV membrane protein |
| <b>Tissue Location</b>   | Neuron specific..                              |

## Images

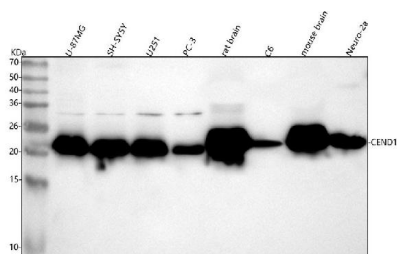


Figure 1. Western blot analysis of CEND1 using anti-CEND1 antibody (M13043).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human U-87MG whole cell lysates,

Lane 2: human SH-SY5Y whole cell lysates,

Lane 3: human U251 whole cell lysates,

Lane 4: human PC-3 whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: rat C6 whole cell lysates,

Lane 7: mouse brain tissue lysates,

Lane 8: mouse Neuro-2a whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CEND1 antigen affinity purified monoclonal antibody (Catalog # M13043) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CEND1 at approximately 22 kDa. The expected band size for CEND1 is at 15 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.