

## CEND1 Polyclonal Antibody

**catalog number: E-AB-19691**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

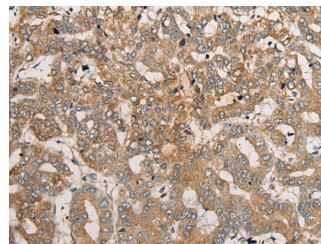
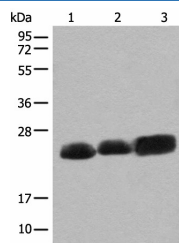
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Synthetic peptide of human CEND1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications

Applications	Recommended Dilution
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:40-1:200

### Data



Western blot analysis of Mouse brain tissue Rat brain tissue and Human cerebrum tissue lysates using CEND1 Polyclonal Antibody at dilution of 1:500  
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using CEND1 Polyclonal Antibody at dilution of 1:50(×200)

**Observed-MW:Refer to figures**  
**Calculated-MW:15 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

### Background

BM88, also known as CEND1 (cell cycle exit and neuronal differentiation protein 1), is a 149 amino acid protein that belongs to the CEND1 family. Involved in neuroblastoma cell differentiation, BM88 is a single-pass type IV membrane protein that is neuron specific. It is suggested that BM88 forms a dimer of two identical polypeptides linked by disulfide bridges. BM88 has a central proline-rich region containing four PxxP motifs, which typically bind SRC homology-3 (SH3) domains, as well as a putative C-terminal transmembrane region, and several potential sites for N-glycosylation, myristoylation and phosphorylation. It is also suggested that a novel signaling mechanism exists by which BM88 interferes with calcium release from inositol 1,4,5-trisphosphate-sensitive stores and exerts anti-proliferative and anti-apoptotic functions. BM88 is an important molecular target for HDAC inhibition, and transcription of BM88 is induced by trichostatin-A.

### For Research Use Only