



Rabbit Anti-CEND1 antibody

SL7858R

Product Name:	CEND1
Chinese Name:	细胞周期通道和神经Cell differentiation蛋白1抗体
Alias:	BM88; BM88 antigen; Cell cycle exit and neuronal differentiation 1; Cell cycle exit and neuronal differentiation protein 1; FLJ90066; MGC34326; CEND_HUMAN
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	15kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CEND1:4-100/149
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	BM88 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.

Function:

CEND1 is a neuron-specific protein. The similar protein in pig enhances neuroblastoma cell differentiation in vitro and may be involved in neuronal differentiation in vivo. Multiple pseudogenes have been reported for this gene.

Subunit:

Homodimer

Subcellular Location:

Membrane; Single-pass type IV membrane protein.

Tissue Specificity:

Neuron specific.

Similarity:

Belongs to the CEND1 family.

SWISS:

Q8N111

Gene ID:

51286

Database links:

[Entrez Gene: 51286](#)Human

[Entrez Gene: 57754](#)Mouse

[Entrez Gene: 361675](#)Rat

[Omim: 608213](#)Human

[SwissProt: Q8N111](#)Human

[SwissProt: Q9JKC6](#)Mouse

[SwissProt: Q5FVI4](#)Rat

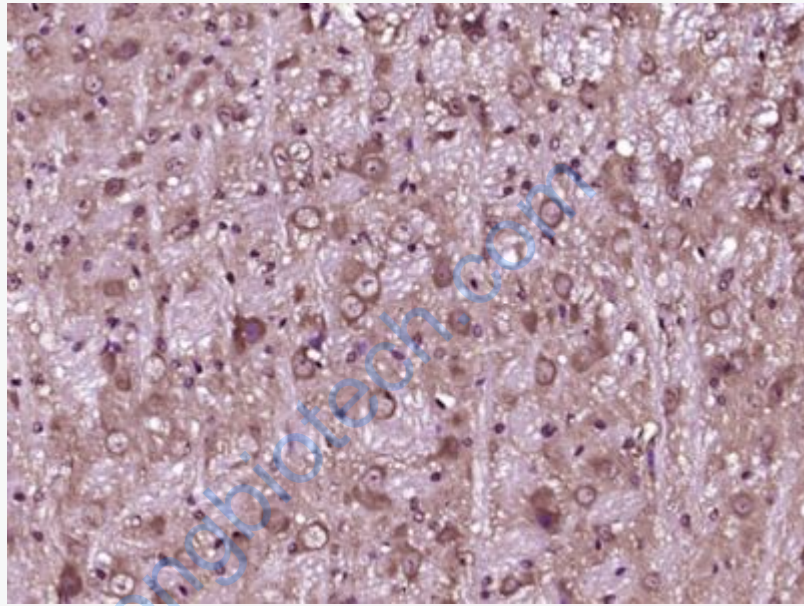
[Unigene: 22140](#)Human

[Unigene: 87027](#)Mouse

[Unigene: 64460Rat](#)

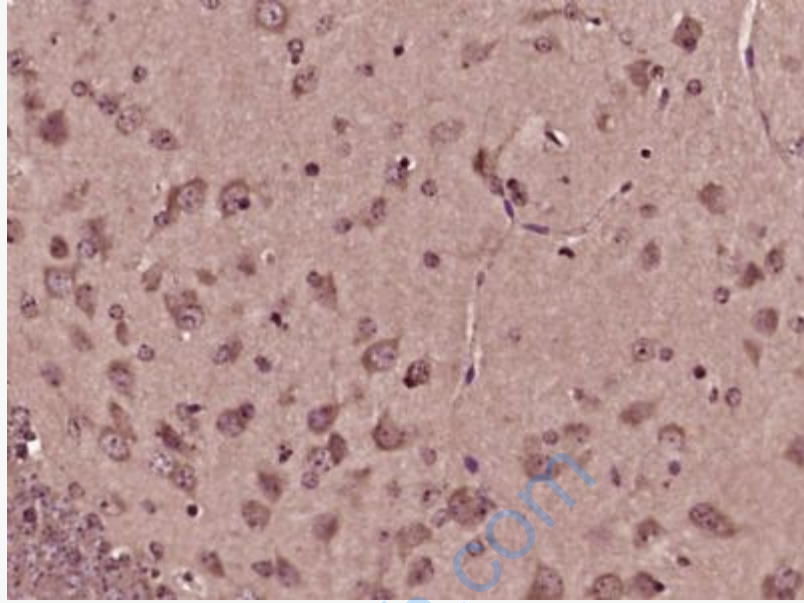
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

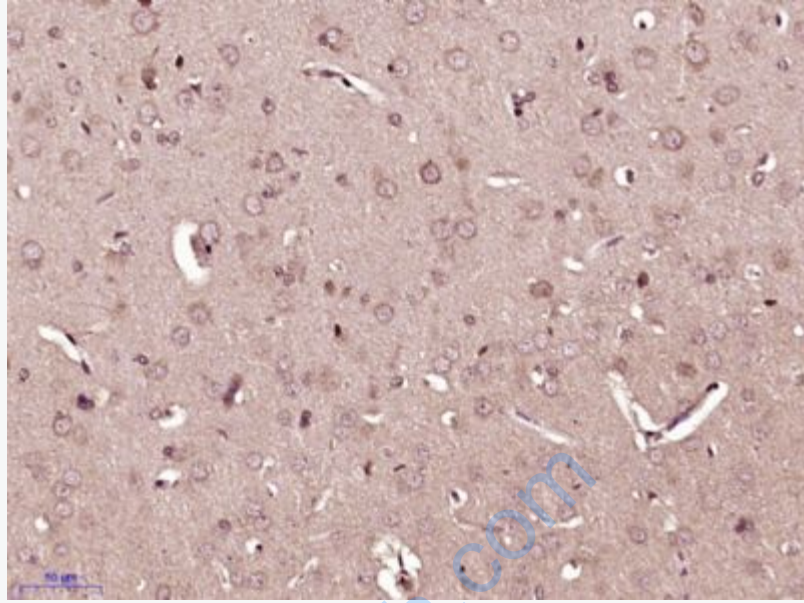


Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CEND1) Polyclonal Antibody, Unconjugated (SL7858R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CEND1) Polyclonal Antibody, Unconjugated (SL7858R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CEND1) Polyclonal Antibody, Unconjugated (SL7858R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.