

## **Cerebellin 2 Polyclonal Antibody**

Cat #: ABP50956 Size: 30µl /100µl /200µl

## **Product Information**

|     | Product Name: Cerebellin 2 Polyclonal Antibody                       |         |                                    |
|-----|--|---------|------------------------------------|
|     | Applications: WB, ELISA  |         | Isotype: Rabbit IgG                |
|     | Reactivity: Human, Mouse, Rat, Monkey                                |         |                                    |
| REF | Catalog Number: ABP50956   | LOT     | Lot Number: Refer to product label |
|     | Formulation: Liquid  |         | Concentration: 1 mg/ml             |
| Ĵ.  | <b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles. | $\land$ | Note: Contain sodium azide.        |

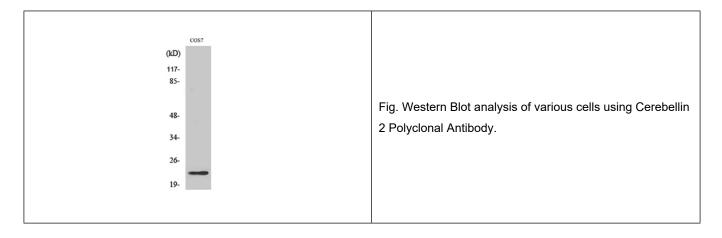
**Background:** Cerebellin (CER), which was originally isolated from rat cerebellum, is a hexadecapeptide derived from a larger precursor Cerebellin 1, also designated precerebellin 1 or Cbln1. Four propeptides, Cerebellin 1, Cerebellin 2 (Cbln2), Cerebellin 3 (Cbln3), and Cerebellin 4 (Cbln4), comprise the precerebellin subfamily within the C1q protein family. Cerebellin family members act as transneuronal regulators of synapse development and synaptic plasticity in various brain regions. CER and it metabolite des-Ser1-cerebellin are also expressed in several extra-cerebellar tissues, including adrenal gland. Cerebellin 1, 2 and 3 assemble into homomeric and heteromeric complexes, thereby influencing each other's degradation and secretion. Cerebellin 3 is not able to form homomeric complexes, and can only be secreted upon forming a heteromeric complex with Cerebellin 1. Decreased concentrations of CER has been found in the brain of patients with olivopontocerebellar atrophy (OPCA) and Shy-Drager syndrome, suggesting a role for CER in the pathology of these diseases.

**<u>Application Notes</u>**: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), ELISA (1:40000). Not yet tested in other applications.

**Storage Buffer:** PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.





**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

