

Product datasheet for **TA392842**

CBLN4 Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB: 1:500~1:1000 IHC: 1:50~1:200 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide, corresponding to amino acids 148-197 of Human Cerebellin 4. |
| Specificity: | Cerebellin 4 (K178) polyclonal antibody detects endogenous levels of Cerebellin 4 protein. |
| Formulation: | Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2 |
| Concentration: | 1mg/ml |
| Conjugation: | Unconjugated |
| Storage: | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles. |
| Stability: | 1 year |
| Predicted Protein Size: | ~ 27 kDa |
| Gene Name: | cerebellin 4 precursor |
| Database Link: | Entrez Gene 140689 Human Q9NTU7 |



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| Background: | Cerebellin (CER), which was originally isolated from rat cerebellum, is a hexadecapeptide derived from a larger precursor called 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. Cerebellin and its metabolite, des-Ser(1)Cer, 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 Cerebellin have been found in the brain of patients with olivopontocerebellar atrophy (OPCA) and Shy-Drager syndrome, suggesting a role for Cerebellin in the pathology of these diseases. |
| Synonyms: | CBLN4; CBLNL1; Cerebellin-4; Cerebellin-like glycoprotein 1; Cerebellin4; UNQ718/PRO1382 |
| Note: | For research use only, not for use in diagnostic procedure. |