

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Cerebellin-4 in direct ELISAs. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) Cerebellin-1 is observed, and less than 5% cross-reactivity with rhCerebellin-2 and rhCerebellin-3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Cerebellin-4 Gln28-Leu201 Accession # Q9NTU7
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CBLN4 (Cerebellin-4) is a 26-35 kDa, secreted glycoprotein member of the C1q/TNF Superfamily of molecules. It is expressed in developing Sertoli cells and select neurons in the dorsal raphe, entorhinal cortex and arcuate nucleus. In the testis, it likely promotes cell differentiation; in the brain, it is possible that it participates in synapse formation via an interaction with neurexin. Mature human CBLN4 is 174 amino acids (aa) in length (aa 28-201). It contains two N-terminal cysteines that mediate homoheptamer formation, and a C-terminal C1q domain (aa 66-201) that promotes homotrimer formation. CBLN4 also reportedly has the potential to multimerize with the other CBLN-related molecules, CBLN1-3. Mature human CBLN4 shares 99% aa identity with mouse CBLN4.

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