

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Cerebellin-2 in direct ELISAs. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) Cerebellin-1 and rhCerebellin-4 is observed, and approximately 50% cross-reactivity with rhCerebellin-3 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 704323
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Cerebellin-2 Arg50-Leu224 Accession # Q8IUK8
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

Cerebellin-2 (CBLN2) is an approximately 25 kDa glycoprotein in the Cerebellin family of C1q- and TNF-related proteins. It contains a potential membrane-associating segment but may also be secreted. It contains one C1q-like domain in its extracellular region. Cerebellin-2 expression is developmentally regulated in the cerebellum, neocortex, sensory neurons of the dorsal root ganglion and spinal cord, and adrenal cortex. It associates with Cerebellin-1 which is involved in the formation and maintenance of synapses in the cerebellum. Within the ectodomain (aa 50-224), Human Cerebellin-2 shares 99% aa sequence identity with mouse and rat Cerebellin-2.

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