

DESCRIPTION

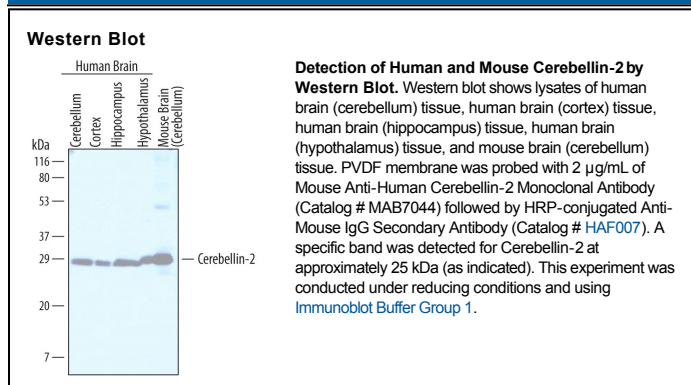
Species Reactivity	Human
Specificity	Detects human Cerebellin-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Cerebellin-1, -3, or -4 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 704330
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Cerebellin-2 Arg50-Leu224 Accession # Q81UK8
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.