

Human Cerebellin-2 Antibody

Monoclonal Mouse IgG_{2B} Clone # 704330 Catalog Number: MAB7044

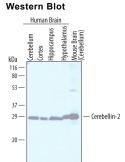
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human Cerebellin-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Cerebellin-1, -3, or -4 is observed.		
Source	Monoclonal Mouse IgG _{2B} Clone # 704330		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Cerebellin-2 Arg50-Leu224 Accession # Q8IUK8		
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 either lyophilized or 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





Detection of Human and Mouse Cerebellin-2 by Western Blot. Western blot shows lysates of human brain (cerebellum) tissue, human brain (cortex) tissue, human brain (hippocampus) tissue, human brain (hippothalamus) tissue, and mouse brain (cerebellum) tissue. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human Cerebellin-2 Monoclonal Antibody (Catalog # MAB7044) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Cerebellin-2 at approximately 25 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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.

- 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.

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