

Calmyrin Monoclonal Antibody (1G8C8)

Catalog Number35-4500

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Mouse / IgG1	Published species	Hamster, Human
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	ELISA (ELISA)	Assay-dependent
Clone	1G8C8	Western Blot (WB)	1-3 µg/mL
Immunogen	Recombinant Calmyrin protein (full length)	Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Concentration	0.5 mg/mL		
Purification	Protein A		
Storage buffer	PBS, pH 7.4		
Contains	0.1% sodium azide		
Storage Conditions	-20°C		

Background/Target Information

The protein encoded by this gene is a member of the calcium-binding protein family. The specific function of this protein has not yet been determined; however this protein is known to interact with DNA-dependent protein kinase and may play a role in kinase-phosphatase regulation of DNA end joining. This protein also interacts with integrin alphabeta, which may implicate this protein as a regulatory molecule for alphabeta.

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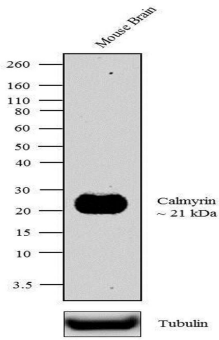
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Calmyrin Antibody (35-4500) in WB

Western blot analysis was performed on tissue extract (30 µg lysate) of Mouse Brain (Lane 1). The blots were probed with Anti-Calmyrin Mouse Monoclonal Antibody (Product # 35-4500, 1-3 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.4 µg/mL, 1:2500 dilution). A 21 kDa band corresponding to Calmyrin was observed in the tissue tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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PubMed References For Calmyrin Monoclonal Antibody (1G8C8)

1 Western Blot References

Species / Dilution	Summary
Human / Not Cited	Journal of proteome research (2008; 7: 4670) "Differential membrane proteomics using 18O-labeling to identify biomarkers for cholangiocarcinoma." Author(s):Kristiansen TZ,Harsha HC,Grønborg M,Maitra A,Pandey A PubMed Article URL: http://dx.doi.org/10.1021/pr800215n
Hamster / Not Cited	

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