

Datasheet for ABIN1742286

anti-Neuroligin 1 antibody (Extracellular Domain)





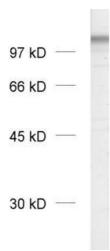
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Overview		
Quantity:	50 μg	
Target:	Neuroligin 1 (NLGN1)	
Binding Specificity:	AA 46-165, Extracellular Domain	
Reactivity:	Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Neuroligin 1 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	Recombinant protein of rat neuroligin 1 containing the extracellular sequence (aa 46-165).	
Specificity:	Specific for neuroligin 1	
Cross-Reactivity (Details):	no cross reactivity to neuroligins 2, 3, 4.	
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.	
Target Details		
Target:	Neuroligin 1 (NLGN1)	
Alternative Name:	Neuroligin 1 (NLGN1 Products)	
Pathways:	Synaptic Membrane, Synaptic Vesicle Exocytosis	

Application Details

Application Notes:	WB: 1 : 1000 (AP staining)		
	IP: not tested yet		
	ICC: not recommended		
	IHC: not recommended		
Restrictions:	For Research Use only		
Handling			
Format:	Lyophilized		
Reconstitution:	For reconstitution add 50 µL H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and		
	store at -20 °C until use.		
Buffer:	PBS		
Handling Advice:	Affinity purified antibodies are less robust than antisera, since protease inhibitors are also		
	removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is		
	not recommended.		
Storage:	-20 °C		
Storage Comment:	Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient		
	temperatures for several weeks or even months. They can be stored at 4°C for several years.		
	Lyophilized antibodies must not be stored in the freezer, they may be destroyed!		
Publications			
Product cited in:	Dahlhaus, Hines, Eadie, Kannangara, Hines, Brown, Christie, El-Husseini: "Overexpression of the		
	cell adhesion protein neuroligin-1 induces learning deficits and impairs synaptic plasticity by		
	altering the ratio of excitation to inhibition in the hippocampus." in: Hippocampus , Vol. 20, Issue		
	2, pp. 305-22, (2010) (PubMed).		



Western Blotting

Image 1. dilution: 1 : 1000, sample: crude synaptosomal fraction of rat brain (P2)