

Datasheet for ABIN1742286

anti-Neurologin 1 antibody (Extracellular Domain)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	50 µg
Target:	Neurologin 1 (NLGN1)
Binding Specificity:	AA 46-165, Extracellular Domain
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurologin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein of rat neurologin 1 containing the extracellular sequence (aa 46-165).
Specificity:	Specific for neurologin 1
Cross-Reactivity (Details):	no cross reactivity to neurologins 2, 3, 4.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

Target Details

Target:	Neurologin 1 (NLGN1)
Alternative Name:	Neurologin 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
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 50 µL H ₂ O 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).
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Western Blotting

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