

# **Human/Rat Neuritin Antibody**

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF283

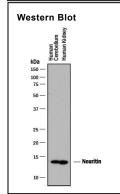
DESCRIPTION			
Species Reactivity	Human/Rat		
Specificity	Detects human Neuritin in direct ELISAs and Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human Neuritin Ala28-Gly114 Accession # Q9NPD7		
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	1 μg/mL	See Below
Immunocytochemistry	5-15 μg/mL	Immersion fixed cultured rat embryonic hippocampal neurons and rat brain (cortex)

## DATA



Detection of Human Neuritin by Western Blot. Western blot shows lysates of human brain (cerebellum) tissue and human kidney tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Rat Neuritin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF283) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for Neuritin at approximately 14 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

# PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

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

- 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

Neuritin is a 14 kDa GPI-linked molecule that is expressed on developing and differentiating neurons as well as on hepatocytes. Neuritin is upregulated in response to BDNF, NT-3, androgens, and hypoxia, and it promotes neurite extension and arborization. Mature human Neuritin shares 99% and 100% as sequence identity with mouse and rat Neuritin, respectively.

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