



## Anti-human/mouse/rat Neurolysin Antibody

### ORDERING INFORMATION

**Catalog Number:** AF3814

**Lot Number:** CAPJ01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human, mouse and rat Neurolysin

**Immunogen:** *E. coli*-derived rhNeurolysin (aa 38 - 704)

**Ig Type:** sheep IgG

**Applications:** Western blot  
Immunoprecipitation  
Direct ELISA

### Preparation

Produced in sheep immunized with purified, *E. coli*-derived, recombinant human Neurolysin (rhNeurolysin; R&D Systems, Catalog # 3814-ZN; aa 38 - 704). Neurolysin specific IgG was purified by human Neurolysin affinity chromatography.

### Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

### Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### Specificity

This antibody has been selected for its ability to recognize Neurolysin in direct ELISAs and Western blots. In direct ELISAs, this antibody shows less than 5% cross-reactivity with rhMeprin  $\alpha$ , rhMeprin  $\beta$  subunit and rhTHOP1.

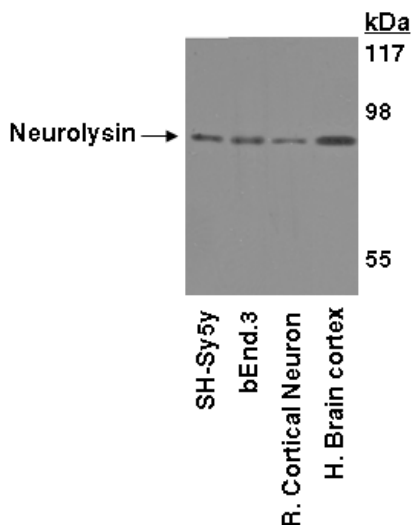
### Applications

**Western blot** - An antibody concentration of 1.0 µg/mL is recommended.

**Immunoprecipitation** - This antibody has been used to immunoprecipitate rhNeurolysin from conditioned media of transfected NS0 cells.

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect Neurolysin. The detection limit for rhNeurolysin is approximately 1 ng/well.

**Optimal dilutions should be determined by each laboratory for each application.**



### Detection of Neurolysin with AF3814.

Cell and tissue lysates were resolved by SDS-PAGE, transferred to an Immobilon-P membrane and immunoblotted with 1.0 µg/mL sheep anti-h/m/rNeurolysin.

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

**R&D Systems, Inc.**  
**1-800-343-7475**

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