



## ***Anti-human Neurophysin II Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** AF009

**Lot Number:** FUK01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human Neurophysin II

**Immunogen:** NS0-derived rhNeurophysin II precursor

**Ig Type:** goat IgG

**Applications:** ELISA  
Western blot  
Immunohistochemistry

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human Neurophysin II precursor (rhNeurophysin II; aa 20 - 164). This recombinant protein preparation contains neurophysin II peptide fused to arginine vasopressin at the N-terminus and the glycopeptide at the C-terminus. Human Neurophysin II specific IgG was purified by Human Neurophysin II precursor affinity chromatography.

### ***Formulation***

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

### ***Endotoxin Level***

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

### ***Reconstitution***

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 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 rhNeurophysin II in direct ELISAs and western blots.

### ***Applications***

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Neurophysin II. The detection limit for rhNeurophysin II is approximately 0.2 ng/well. In this format, this antibody shows less than 1% cross-reactivity with synthetic arginine-vasopressin peptide.

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Neurophysin II. The detection limit for rhNeurophysin II is approximately 25 ng/lane under non-reducing and reducing conditions.

**Immunohistochemistry** - This antibody will detect Neurophysin II in cells and tissues. The working dilution is 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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